

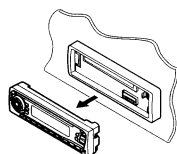
JVC

SERVICE MANUAL

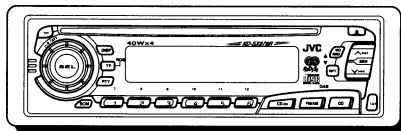
CD RECEIVER

KD-SX878R KD-S777R

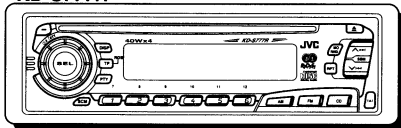
Area Suffix
E ... Continental Europe



KD-SX878R



KD-S777R



Comparison table between the KD-SX878R and KD-S777R

| Item | KD-SX878R | KD-S777R |
|---------------------|-----------|----------|
| Connection to DAB | O | X |
| CD changer | O | X |
| Remote control unit | Option | Option |

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Safety precaution

- ⚠ **CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.
- ⚠ **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Important for laser products

- 1.CLASS 1 LASER PRODUCT**

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The compact disc player uses invisible laserradiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.
- 5.CAUTION :** If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- ⚠ **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

- WARNING :** Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen.
- ADVARSEL :** Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning,når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

CLASS 1
LASER PRODUCT

DANGER : Invisible laser radiation when open and interlock or defeated.
AVOID DIRECT EXPOSURE TO BEAM (e)

ADVARSEL :Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (d)

WARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen. (f)

WARNING LABEL

Preventing static electricity

1. Grounding to prevent damage by static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

2. About the earth processing for the destruction prevention by static electricity

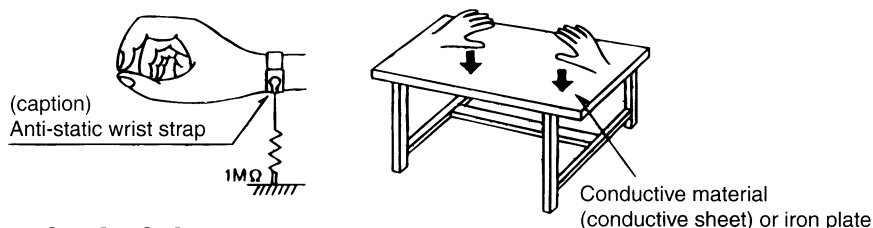
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players. Be careful to use proper grounding in the area where repairs are being performed.

2-1 Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

2-2 Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



3. Handling the optical pickup

1. In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
2. Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

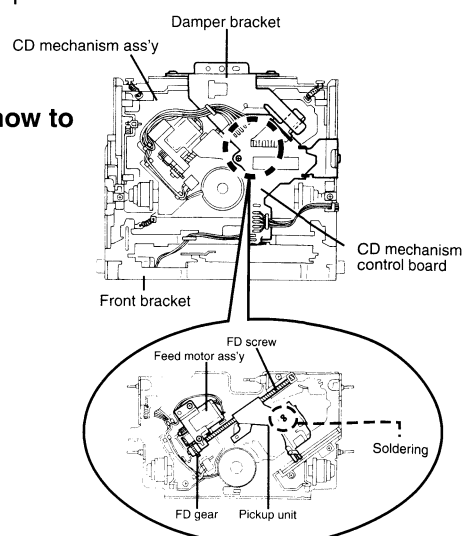
4. Handling the traverse unit (optical pickup)

1. Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
2. Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
3. Handle the flexible cable carefully as it may break when subjected to strong force.
4. It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it

Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for pick-up and how to detach the substrate.**

1. Solder is put up before the card wire is removed from connector on the CD substrate as shown in Figure.
(When the wire is removed without putting up solder, the CD pick-up assembly might destroy.)
2. Please remove solder after connecting the card wire with when you install picking up in the substrate.



KD-SX878R
KD-S777R

Instructions

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Haben Sie PROBLEME mit dem Betrieb?

Bitte setzen Sie Ihr Gerät zurück

Siehe Seite Zurücksetzen des Geräts

Vous avez des PROBLÈMES de fonctionnement?

Réinitialisez votre appareil

Référez-vous à la page intitulée Comment réinitialiser votre appareil

Hebt u PROBLEMEN met de bediening?

Stel het apparaat terug

Zie de pagina met de paragraaf Het apparaat terugstellen



VICTOR COMPANY OF JAPAN, LIMITED

EN, GE, FR, NL

1299NMMDWJES

JVC

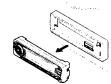
CD RECEIVER

CD-RECEIVER

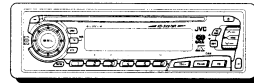
RECEPTEUR CD

CD-RECEIVER

KD-SX878R/KD-S777R



KD-SX878R



KD-S777R



For installation and connections, refer to the separate manual.
Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.
Pour l'installation et les raccordements, se référer au manuel séparé.
Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

INSTRUCTIONS

BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING

FSUN3117-311
[E]

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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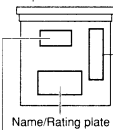
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Position And Reproduction Of Labels

Bottom panel of the main unit



Name/Rating plate

CLASS 1
LASER PRODUCT

Caution:
This product contains a laser component
of higher laser class than Class 1.

DANGER: Invisible laser
radiation when open and
interlock failed or defeated.
AVOID DIRECT EXPOSURE
TO BEAM.

ADVARSEL: Udsigtspåse
stråling, når dækslet er
åbnet. Undgå direkte
blikkontakt med strålen.

WARNING: Obvious laser
radiation when device is
unlocked. Do not look at
the beam.

VARO: Avantassa jäsä-
näkyvä laserstråla, kun
laitteen lukitus on avoin.
Älä katso suoraan
stråleeseen.

IMPORTANT FOR LASER PRODUCTS

Precautions:

1. CLASS 1 LASER PRODUCT
2. DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. CAUTION: Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. CAUTION: This CD player uses invisible laser radiation and is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. CAUTION: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

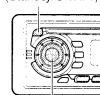
How to reset your unit

Press and hold both the SEL (Select) and ϕ /I/ATT (Standby/On/ATT) buttons at the same time for several seconds. This will reset the built-in microcomputer.

Notes:

- Your preset adjustments — such as preset channels or sound adjustments — will also be erased.
- If a CD is in the unit, it will eject when you reset the unit. Pay attention not to drop the CD.

ϕ /I/ATT
(Standby/On/ATT)



SEL (Select)

Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

BEFORE USE

* For safety...

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

* Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

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BASIC OPERATIONS

1 Turn on the power.

Note:
When you use this unit for the first time, set the built-in clock correctly. (See page 26.)

2 Select the source.

Note on One-Touch Operation:
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

3 Adjust the volume.

Volume level indicator Volume level appears.

4 Adjust the sound as you want (see pages 22 – 25).

To drop the volume in a moment

Press \odot /ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

To turn off the power

Press \odot /ATT for more than 1 second.

CAUTION on Volume Setting

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.

RADIO BASIC OPERATIONS

Listening to the radio

1 Select the band (FM1, FM2, FM3 or AM).

You can select any one of FM1, FM2, and FM3 to listen to an FM station.

2 Start searching a station.

When a station is received, searching stops.

To search stations of higher frequencies.

To search stations of lower frequencies.

Audio (see page 29) or volume level indicator

Selected band appears.

To stop searching before a station is received, press the same button you have pressed for searching.

To tune in a particular frequency without searching

1 Select the band (FM or AM).

For KD-SX878R: Press FM/AM repeatedly.

For KD-S777R: Press FM or AM.

2 Press and hold \blacktriangle or \blacktriangledown until "M" (for Manual) starts flashing on the display.

Now you can manually change the frequency while "M" is flashing.

3 Press \blacktriangle or \blacktriangledown repeatedly until the frequency you want is reached.

• If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9kHz intervals for AM–MW/LW) until you release the button.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).

1 Select the FM band number (FM1, FM2 or FM3) you want to store FM stations into.

2 Press and hold both buttons for more than 2 seconds.

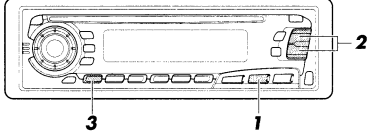
"SSM" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons—No. 1 (lowest frequency) to No. 6 (highest frequency).

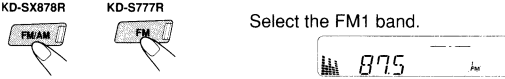
When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

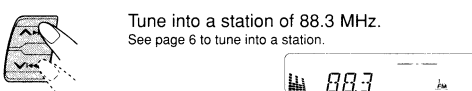
You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.
EXAMPLE: Storing an FM station of 88.3 MHz into the preset channel number 1 of the FM1 band



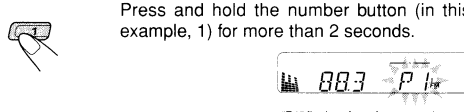
1 KD-SX878R KD-S777R Select the FM1 band.



2 Tune into a station of 88.3 MHz. See page 6 to tune into a station.



3 Press and hold the number button (in this example, 1) for more than 2 seconds.



4 Repeat the above procedure to store other stations into other preset channel numbers.

Notes:

- A previously preset station is erased when a new station is stored in the same preset channel number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

RDS OPERATIONS

What you can do with RDS EON

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc. Another advantage of RDS function is called "EON (Enhanced Other Networks)." The EON indicator lights up while receiving an FM station with the EON data. By using the EON data sent from a station, you can tune into a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

- By receiving the RDS data, this unit can do the following:
- Tracing the same programme automatically (Network-Tracking Reception)
 - Standby Reception of TA (Traffic Announcement) or your favorite programme
 - PTY (Programme Type) search
 - TP (Traffic Programme) search
 - And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

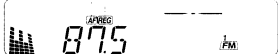
When driving in an area where FM reception is not good, the tuner built in this unit automatically tune in another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on the next page.)
Two types of the RDS data are used to make Network-Tracking Reception work correctly — PI (Programme Identification) and AF (Alternative Frequency).
Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.



To use Network-Tracking Reception, press and hold TP RDS (Traffic Programme/Radio Data System) for more than 1 second. Each time you press and hold the button, Network-Tracking Reception modes change as follows:

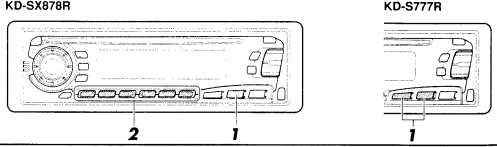
→ Mode 1 → Mode 2 → Mode 3 →

AF indicator REG indicator



Tuning into a preset station

You can easily tune into a preset station.
Remember that you must store stations first. If you have not stored them yet, see pages 7 and 8.




1 Select the band (FM1, FM2, FM3 or AM) you want.

KD-SX878R: FM1 → FM2 → FM3 → AM

KD-S777R: FM1 → FM2 → FM3 → AM

2 Select the number (1 – 6) for the preset station you want.



Selecting FM reception sound

When an FM stereo broadcast is hard to receive:
Press MO RND (Monaural/Random) while listening to an FM stereo broadcast. The MO indicator lights up on the display. The sound you hear becomes monaural but reception will be improved.



Lights up when receiving an FM broadcast in stereo.

To restore the stereo effect, press the same button again.

Mode 1

The AF indicator lights up but the REG indicator does not.
Network-Tracking is activated with Regionalization set to "off."
Switches to another station within the same network when the receiving signals from the current station become weak.

Note:
In this mode, the programme may differ from the one currently received.

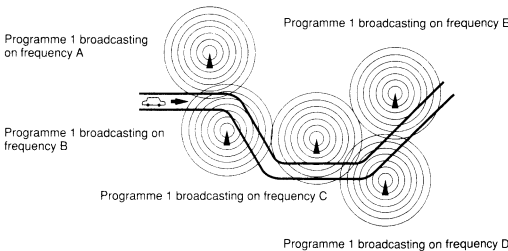
Mode 2

Both the AF indicator and the REG indicator light up.
Network-Tracking is activated with Regionalization set to "on."
Switches to another station, within the same network, broadcasting the same programme when the receiving signals from the current station become weak.

Mode 3

Neither the AF indicator nor the REG indicator lights up.
Network-Tracking is deactivated.

The same programme can be received on different frequencies.





ENGLISH

Using Standby Reception

Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) and Traffic Announcement (TA) from the current source — another FM station and CD.

Note:

Standby Reception will not work if you are listening to an AM station.

TA Standby Reception



- When you press TP RDS while listening to an FM station, the TP indicator is lit during reception of a TP (Traffic Programme) station and the TA standby mode is engaged.

Note:

When the station being received is not a TP station, the TP indicator flashes. Press or to engage the TA standby mode. "SEARCH" appears on the display, and TP station search starts. When a TP station is tuned in, the TP indicator is lit.

- If you are listening to a CD, and wish to listen to a TP station, press TP RDS to enter the TA standby mode. (The TP indicator lights up.)

If a traffic programme starts broadcasting while the TA standby mode is active, "TRAFFIC" appears and the playback source changes to the FM band. The volume increases to the preset TA volume level and the traffic programme can be heard (see page 17).

To deactivate the TA standby mode, press TP RDS again.

PTY Standby Reception



- When you press PTY while listening to an FM station, the PTY indicator is lit during reception of a PTY station and the PTY standby mode is engaged. The selected PTY name stored on page 14 flashes for 5 seconds.

Note:

When the station being received is not a PTY station, the PTY indicator flashes. Press or to engage the PTY standby mode. "SEARCH" appears on the display, and PTY station search starts. When a PTY station is tuned in, the PTY indicator is lit.

- If you are listening to a CD, and wish to listen to a selected PTY broadcast, press PTY to enter the PTY standby mode. (The PTY indicator lights up.)

If the selected PTY programme starts broadcasting while the PTY standby mode is active, the selected PTY name appears and the playback source changes to the FM band. The selected PTY programme can then be heard.

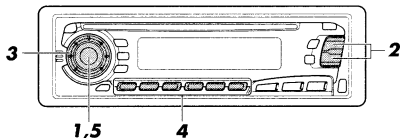
To deactivate the PTY standby mode, press PTY again.

12



ENGLISH

To store your favorite programme types



1



Press and hold SEL (select) for more than 2 seconds to enter the general setting mode (see page 27).

2



Select "PTY SRCH (search)" if not shown on the display.

3



Select one of twenty-nine PTY codes. (See page 16.)
Selected code name appears on the display.
• If the code already stored in memory is selected, it will flash on the display.

4



Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want. The selected code name will flash on the display.

5



Finish the setting.

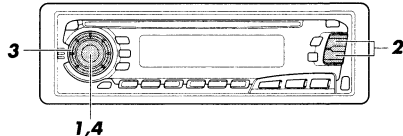
14



ENGLISH

Selecting Your Favorite Programme for PTY Standby Reception

You can select your favorite programme for PTY Standby Reception to store in memory. When shipped from the factory, "NEWS" is stored as the programme type for PTY Standby Reception.



1



Press and hold SEL (select) for more than 2 seconds to enter the general setting mode (see page 27).

2



Select "PTY STBY (standby)" if not shown on the display.

3



Select one of twenty-nine PTY codes. (See page 16.)
Selected code name appears on the display and is stored into memory.

4



Finish the setting.

Searching Your Favorite Programme

You can search one of your 6 favorite programme types stored in memory. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

To change the factory preset settings, see page 14.

To search your favorite programme, see page 15.

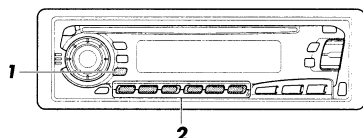
| | | | | | |
|-------|--------|--------|----------|---------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| POP M | ROCK M | EASY M | CLASSICS | AFFAIRS | VARIED |

13



ENGLISH

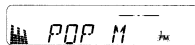
To search your favorite programme type



1



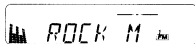
Press and hold PTY (programme type) for more than 1 second while listening to an FM station.
The last selected PTY code appears.



2



Select one of PTY codes stored in preset number buttons (1 to 6).



Ex. When "ROCK M" is stored in preset number button 2.

PTY search for your favorite programme starts after 5 seconds.

- If there is a station broadcasting a programme of the same PTY code you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.

15



Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in. However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit, using the AF data, tunes in another frequency broadcasting the same programme as the original preset station is broadcasting. In case no other station is tuned in, you can also search all receivable frequencies for the same programme. (Programme search) To activate programme search, follow the procedure below.

- Programme search takes a while.
- See also "Changing the general settings" on page 27.

1. Press and hold SEL (select) for more than 2 seconds to call up the general setting mode.
2. Press \blacktriangle or \blacktriangleright or \blacktriangleleft or \blacktriangledown to select "P(programme)-SEARCH."
3. Select "ON" by turning the control dial clockwise.

Now programme search is activated.

To cancel programme search, repeat the same procedure and select "OFF" in step 3 by turning the control dial counterclockwise.

PTY codes

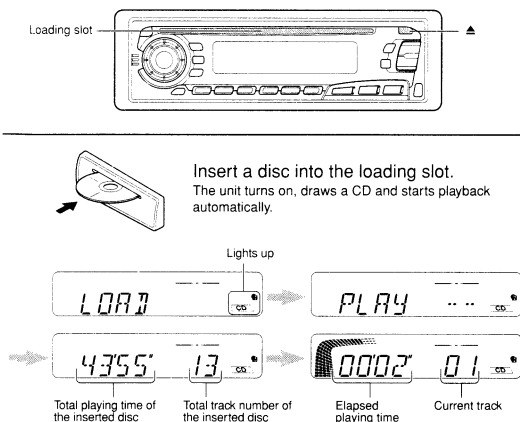
| | | | |
|-----------|--|-----------|---|
| NEWS: | News | SOCIAL: | Programmes on social activities |
| AFFAIRS: | Topical programmes expanding on current news or affairs | RELIGION: | Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics |
| INFO: | Programmes which impart advice on a wide variety of topics | PHONE IN: | Programmes where people can express their views either by phone or in a public forum |
| SPORT: | Sport events | TRAVEL: | Programmes about travel destinations, package tours, and travel ideas and opportunities |
| EDUCATE: | Educational programmes | LEISURE: | Programmes concerned with recreational activities such as gardening, cooking, fishing, etc. |
| DRAMA: | Radio plays | JAZZ: | Jazz music |
| CULTURE: | Programmes on national or regional culture | COUNTRY: | Country music |
| SCIENCE: | Programmes on natural science and technology | NATION M: | Current popular music from another nation or region, in that country's language |
| VARIED: | Other programmes like comedies or ceremonies | OLDIES: | Classic pop music |
| POP M: | Pop music | FOLK M: | Folk music |
| ROCK M: | Rock music | DOCUMENT: | Programmes dealing with factual matters, presented in an investigative style |
| EASY M: | Easy-listening music | | |
| LIGHT M: | Light music | | |
| CLASSICS: | Classical music | | |
| OTHER M: | Other music | | |
| WEATHER: | Weather information | | |
| FINANCE: | Reports on commerce, trading, the Stock Market, etc. | | |
| CHILDREN: | Entertainment programmes for children | | |

16



CD OPERATIONS

Playing a CD



Note:
When a CD is inserted upside down, the CD ejects automatically.

Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.

To stop play and eject the CD

Press \blacktriangle .

CD play stops and the CD automatically ejects from the loading slot. If you change the source to FM or AM (or CD changer: ONLY FOR KD-SX878R), the CD play also stops (without ejecting the CD this time).

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

18



Changing the display mode while listening to an FM station

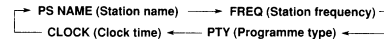
You can change the initial indication on the display to station name (PS NAME), station frequency (FREQ), or clock time (CLOCK) while listening to an FM RDS station.

- See also "Changing the general settings" on page 27.

1. Press and hold SEL (select) for more than 2 seconds to call up the general setting mode.
2. Press \blacktriangle or \blacktriangleright or \blacktriangleleft or \blacktriangledown to select "DISPMODE (display mode)."
3. Set to the desired indication (station name, station frequency or clock time) with the control dial.

Note:

By pressing DISP, you can also change the display while listening to an FM RDS station. Each time you press the button, the following information appears on the display:



* Then, the display goes back to the original indication in several seconds.

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

- See also "Changing the general settings" on page 27.

1. Press and hold SEL (select) for more than 2 seconds to call up the general setting mode.
2. Press \blacktriangle or \blacktriangleright or \blacktriangleleft or \blacktriangledown to select "TA VOL (volume)."
3. Set to the desired volume level with the control dial.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also "Changing the general settings" on page 27.

1. Press and hold SEL (select) for more than 2 seconds to call up the general setting mode.
2. Press \blacktriangle or \blacktriangleright or \blacktriangleleft or \blacktriangledown to select "AUTO ADJ (adjust)."
3. Select "OFF" by turning the control dial counterclockwise.

Now automatic clock adjustment is canceled.

To reactivate clock adjustment, repeat the same procedure and select "ON" in step 3 by turning the control dial clockwise.

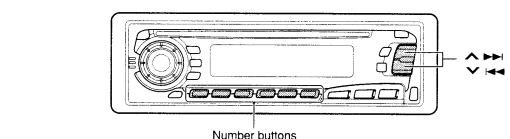
Note:

It takes about 2 minutes to adjust the time using the CT data. So, you must tune to the station for more than 2 minutes continuously; otherwise, the clock time will not be adjusted.

17



Locating a track or a particular portion on a CD



To fast-forward or reverse the track

Press and hold \blacktriangleright or \blacktriangleleft , while playing a CD, to fast-forward the track.



Press and hold \blacktriangleleft or \blacktriangleright , while playing a CD, to reverse the track.

To go to the next tracks or the previous tracks

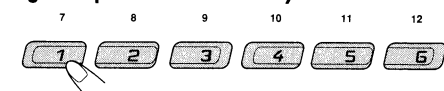


Press \blacktriangleright or \blacktriangleleft briefly, while playing a CD, to go ahead to the beginning of the next tracks. Each time you press the button consecutively, the beginning of the next tracks is located and played back.



Press \blacktriangleleft or \blacktriangleright briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

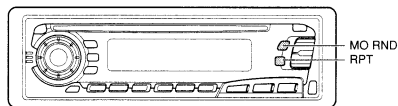


Press the number button corresponding to the track number to start playback.

- To select a track number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
Press 1 (7) – 6 (12) for more than 1 second.

19

Selecting CD playback modes



To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.



Each time you press MO RND (Monaural/Random) while playing a CD, CD random play mode turns on and off alternately. When the random mode is turned on, the RND indicator lights up on the display and a track randomly selected starts playing.



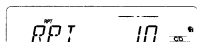
- To select the next track at random, press $\blacktriangle \blacktriangleright \blacktriangleright$ briefly.

To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.



Each time you press RPT (Repeat) while playing a CD, CD repeat play mode turns on and off alternately. When the repeat mode is turned on, the RPT indicator lights up on the display.

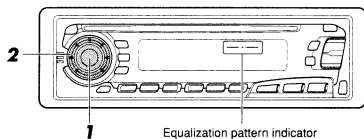


20

SOUND ADJUSTMENTS

Adjusting the sound

You can adjust the sound characteristics to your preference.



1



Select the item you want to adjust.

\rightarrow BAS \rightarrow TRE \rightarrow FAD
 \leftarrow VOL \leftarrow LOUD \leftarrow BAL \leftarrow

| Indication | To do: | Range |
|-----------------|--|------------------------------------|
| BAS (Bass) | Adjust the bass | -06 (min.) — +06 (max.) |
| TRE (Treble) | Adjust the treble | -06 (min.) — +06 (max.) |
| FAD (Fader)* | Adjust the front and rear speaker balance | R06 (rear only) — F06 (front only) |
| BAL (Balance) | Adjust the left and right speaker balance | L06 (left only) — R06 (right only) |
| LOUD (Loudness) | Boost low and high frequencies to produce a well-balanced sound at low volume level. | LOUD ON — LOUD OFF |
| VOL (Volume) | Adjust the volume | 00 (min.) — 50 (max.) |

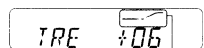
Note:

* If you are using a two-speaker system, set the fader level to "00."

2



Adjust the level.



Equalization pattern changes as you adjust the bass or treble.

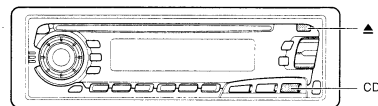
Note:

Normally the control dial works for volume adjustment. So you do not have to select "VOL" to adjust the volume level.

22



Prohibiting CD ejection



You can prohibit CD ejection and can "lock" a CD in the loading slot.

While pressing CD, press \blacktriangle for more than 2 seconds. "EJECT" flashes on the display for about 5 seconds, and the CD is "locked" and cannot be ejected.



To cancel the prohibition and "unlock" the CD, press and hold \blacktriangle again for more than 2 seconds, while pressing CD. "EJECT" appears on the display, and the CD ejects from the loading slot.

21



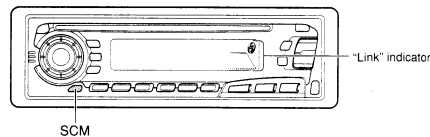
Using the Sound Control Memory

You can select and store a preset sound adjustment suitable to each playback source. (Advanced SCM)

Selecting and storing the sound modes

Once you select a sound mode, it is stored in memory, and will be recalled every time you select the same source. A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM and CD (and external components: ONLY FOR KD-SX878R).

- If you do not want to store the sound mode separately for each playback source, but want to use the same sound mode for all the sources, see "Canceling Advanced SCM" on page 28.



Select the sound mode you want.

Each time you press the button, the sound mode changes as follows:

\rightarrow SCM OFF \rightarrow BEAT \rightarrow SOFT \rightarrow POP

- If the "Link" indicator is lit on the display (with "SCM LINK" set to "LINK ON"—see page 28), the selected sound mode can be stored in memory for the current source, and the effect applies to the current source.
- If the "Link" indicator is NOT lit on the display (with "SCM LINK" set to "LINK OFF"), the selected sound mode effect applies to any source.

| Indication | For: | Preset values | | |
|------------|------------------------|---------------|--------|----------|
| | | Bass | Treble | Loudness |
| SCM OFF | (Flat sound) | 00 | 00 | On |
| BEAT | Rock or disco music | +02 | 00 | On |
| SOFT | Quiet background music | +01 | -03 | Off |
| POP | Light music | +04 | +01 | Off |

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ENGLISH

Recalling the sound modes

KD-SX878R

Select the source while the "Link" indicator is lit on the display. The "Link" indicator starts flashing, and the sound mode stored in memory for the selected source is recalled.

KD-S777R

Equalization pattern of the selected sound mode appears. Sound mode indicator

LOUD (loudness) indicator

Notes:

- You can adjust each sound mode to your preference, and store it in memory. If you want to adjust and store your original sound mode, see "Storing your own sound adjustments" on page 25.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 22. (Your adjustments will be canceled if another source is selected.)

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Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 23) to your preference and store your own adjustments in memory.

- Call up the sound mode you want to adjust. See page 23 for details.
- Select "BAS (Bass)," "TRE (Treble)" or "LOUD (Loudness)."
- Adjust the bass or treble level or turn the loudness function ON/OFF. See page 22 for details.
- Press and hold SCM (Sound Control Memory) until the sound mode you have selected in step 1 flashes on the display. Your setting is stored in memory.
- Repeat the same procedure to store other settings.

To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 23.

24

25

ENGLISH

OTHER MAIN FUNCTIONS

Setting the clock

- Press and hold the button for more than 2 seconds to call up the general settings mode.
- Set the hour.
 - Select "CLOCK H (Hour)" if not shown on the display.
 - Adjust the hour.
- Set the minute.
 - Select "CLOCK M (Minute)."
 - Adjust the minute.
- Finish the setting.

To check the current clock time (changing the display mode)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows:

| | |
|--|---|
| During tuner operation: Clock ↔ Frequency | During CD operation: Clock ↔ Elapsed playing time |
| Note: For the indication change during RDS operation, see page 17. | During external component operation (ONLY FOR KD-SX878R): LINE IN ↔ Clock |
| During CD changer operation (ONLY FOR KD-SX878R): Clock → Disc number → Elapsed playing time | |
| Note: For the indication change during DAB operation, see page 39. | |

- If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

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ENGLISH

Changing the general settings

You can change the items listed on the next page.

Basic Procedure

- Press and hold the button for more than 2 seconds to call up the general settings mode.
- Select the item you want to adjust. (See page 28.)
- Select or adjust the item selected above.
- Finish the setting.

27

1

Select.

2

Hour adjustment

3

Set.

CLOCK H

Hour adjustment

Back

Advance

CLOCK M

Minute adjustment

Back

Advance

SCM LINK

Sound control memory linkage

LINK OFF

LINK ON

LINK ON

below

24H/12H

24/12-hour time display

12H

24H

24H

29

AUTO ADJ

Automatic setting of the clock

OFF

ON

ON

17

DISPMODE

Display mode

PS NAME ↔ FREQ
↕ CLOCK ↕

PS NAME

17

CH DISP

Changer display (ONLY FOR KD-SX878R)

TIME

DISC

DISC

29

PTY STBY

PTY standby

29 programme types (See page 16.)

NEWS

13

PTY SRCH

PTY search

(See page 13.)

13

TA VOL

Traffic announcement volume

VOL (00 – 50)

VOL 20

17

P-SEARCH

Programme search

OFF

ON

OFF

16

LEVEL

Level display

AUDIO 1 ↔ AUDIO 2
↕ OFF ↕

AUDIO 2

29

TEL

Audio mute for cellular phone system

OFF ↔ MUTING 1
↕ MUTING 2 ↕

OFF

30

LINE IN*

External component (ONLY FOR KD-SX878R)

CHANGER

LINE IN

CHANGER

30

Factory-preset settings

See page

000

ENGLISH

1

2

3

CLOCK H

Hour adjustment

Back

Advance

CLOCK M

Minute adjustment

Back

Advance

SCM LINK

Sound control memory linkage

LINK OFF

LINK ON

LINK ON

below

24H/12H

24/12-hour time display

12H

24H

24H

29

AUTO ADJ

Automatic setting of the clock

OFF

ON

ON

17

DISPMODE

Display mode

PS NAME ↔ FREQ
↕ CLOCK ↕

PS NAME

17

CH DISP

Changer display (ONLY FOR KD-SX878R)

TIME

DISC

DISC

29

PTY STBY

PTY standby

29 programme types (See page 16.)

NEWS

13

PTY SRCH

PTY search

(See page 13.)

13

TA VOL

Traffic announcement volume

VOL (00 – 50)

VOL 20

17

P-SEARCH

Programme search

OFF

ON

OFF

16

LEVEL

Level display

AUDIO 1 ↔ AUDIO 2
↕ OFF ↕

AUDIO 2

29

TEL

Audio mute for cellular phone system

OFF ↔ MUTING 1
↕ MUTING 2 ↕

OFF

30

LINE IN*

External component (ONLY FOR KD-SX878R)

CHANGER

LINE IN

CHANGER

30

Factory-preset settings

See page

* Displayed only when one of the following sources is selected — FM, AM and CD.
• Press SEL (select) when the setting is complete.

Canceling Advanced SCM

You can cancel the Advanced SCM (Sound Control Memory), and unlink the sound modes and the playback sources.

When shipped from the factory, a different sound mode can be stored in memory for each source so that you can change the sound modes simply by changing the sources.

- LINK ON: Advanced SCM (different sound modes for different sources)
- LINK OFF: Conventional SCM (one sound mode for all sources)

1. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
2. Select "SCM LINK" with \blacktriangle or \blacktriangledown .
3. Select the desired mode with the control dial.

The SCM LINK mode changes as follows:

LINK ON \longleftrightarrow LINK OFF

28

Selecting 24-hour or 12-hour clock

You can change the clock built in this unit either to 24-hour system or 12-hour system.

1. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
2. Select "24H/12H" with \blacktriangle or \blacktriangledown .
3. Select "24H" or "12H" with the control dial.

The clock alternates between 24-hour system and 12-hour system.

24H \longleftrightarrow 12H

Selecting the level display

You can select the level display according to your preference.

When shipped from the factory, "AUDIO 2" is selected.

- AUDIO 1: Shows the audio level indicator and the equalization pattern indicator.
- AUDIO 2: Alternates "AUDIO 1" setting and illumination display.
- OFF: Erases the audio level indicator and the equalization pattern indicator.

1. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
2. Select "LEVEL" with \blacktriangle or \blacktriangledown .
3. Select the desired mode with the control dial.

The level display setting changes as follows:

AUDIO 1 \longleftrightarrow AUDIO 2 \longleftrightarrow OFF

Selecting the display mode while using the CD changer (ONLY FOR KD-SX878R)

You can change the initial indication on the display either to disc number or to elapsed playing time, while using the CD changer.

1. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
2. Select "CH DISP" with \blacktriangle or \blacktriangledown .
3. Select "DISC" or "TIME" with the control dial.

DISC \longleftrightarrow TIME

28

29

ENGLISH

0000

0000

Selecting the telephone muting

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either "MUTING 1" or "MUTING 2", whichever mutes the sounds from this unit.

When shipped from the factory, this mode is deactivated.

- **MUTING 1:** Select this if this setting can mute the sounds.
- **MUTING 2:** Select this if this setting can mute the sounds.
- **OFF:** Cancels the telephone muting.

1. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
2. Select "TEL" with \blacktriangle or \blacktriangledown .
3. Select "MUTING 1," "MUTING 2" or "OFF" with the control dial.

The telephone muting mode changes as follows:

MUTING 1 \longleftrightarrow MUTING 2 \longleftrightarrow OFF

Selecting the external component to use (ONLY FOR KD-SX878R)

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

To use the external component as the playback source through this unit, you need to select which component — CD changer or external component — to use. When shipped from the factory, CD changer is selected as the external component.

- LINE IN: To use the external component other than CD changer
- CHANGER: To use the CD changer

1. To change the source to FM, AM or CD, press FM/AM or CD.
2. Press and hold SEL (Select) for more than 2 seconds to call up the general settings mode.
3. Select "LINE IN" with \blacktriangle or \blacktriangledown .
4. Select the desired mode with the control dial.

The external component selecting mode changes as follows:

LINE IN \longleftrightarrow CHANGER

Note:

For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).

30

Detaching the control panel

You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

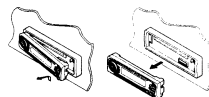
How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

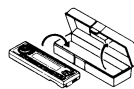
1. Unlock the control panel.



2. Lift and pull the control panel out of the unit.

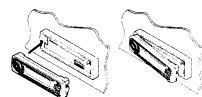


3. Put the detached control panel into the provided case.

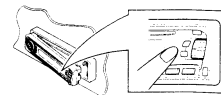


How to attach the control panel

1. Insert the left side of the control panel into the groove on the panel holder.

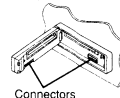


2. Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

31

REMOTE OPERATIONS

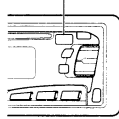
(With an optionally purchased remote controller)

We recommend that you use remote controller RM-RK31 with your unit. The followings are the instructions for using RM-RK31.

Before using the remote controller:

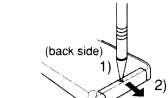
- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Remote sensor



Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.



1. Remove the battery holder.

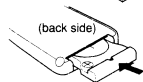
- 1) Push out in the direction indicated by the arrow using a ball point pen or a similar tool.
- 2) Remove the battery holder.

Lithium coin battery
(product number:
CR2025)



2. Place the battery.

- Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



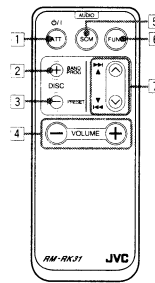
3. Return the battery holder.

- Insert again the battery holder pushing it until you hear a clicking sound.

WARNING:

- Store the batteries in a place which children cannot reach.
- If a child accidentally swallows the battery, immediately consult a doctor.
- Do not recharge, short, disassemble or heat the batteries or dispose of in a fire.
- Doing any of these things may cause the batteries to give off heat, crack or start a fire.
- Do not leave the batteries with other metallic materials.
- Doing this may cause the batteries to give off heat, crack or start a fire.
- When throwing away or saving the batteries, wrap in tape and insulate; otherwise, it may cause the batteries to give off heat, crack or start a fire.
- Do not poke the batteries with tweezers or similar tools.
- Doing this may cause the batteries to give off heat, crack or start a fire.

Using the remote controller



- 1 Functions the same as the \odot /I/ATT button on the main unit.
- 2 • Functions as the BAND button while listening to the radio (or the DAB tuner).
Each time you press the button, the band changes.
• Functions as the DISC + button while listening to the CD changer.
Each time you press the button, the disc number increases, and the selected disc starts playing.
• Does not function as the PROG button.
- 3 • Functions as the PRESET button while listening to the radio (or the DAB tuner).
Each time you press the button, the preset station number increases, and the selected station is tuned in.
• Functions as the DISC - button while listening to the CD changer.
Each time you press the button, the disc number decreases, and the selected disc starts playing.
- 4 Functions the same as the control dial on the main unit.
Note: This button does not function for the general settings mode adjustment.
- 5 Selects the sound mode.
Each time you press SCM (Sound Control Memory), the mode changes.
- 6 Selects the source.
Each time you press FUNC (function), the source changes.
- 7 • Searches stations while listening to the radio.
• Selects services while listening to the DAB tuner if pressed briefly.
• Searches ensembles while listening to the DAB tuner if pressed for more than 1 second.
• Fast forwards or reverses the track if pressed and held while listening to a CD.
• Skips to the beginning of the next tracks or goes back to the beginning of the current (or previous tracks) if pressed briefly while listening to a CD.

32

33

CD CHANGER OPERATIONS

This section is ONLY FOR KD-SX878R, when used with a JVC CD automatic changer (separately purchased).

We recommend that you use one of the CH-X series with your unit.

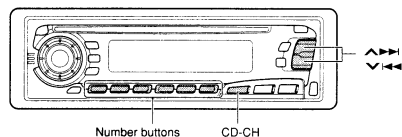
If you have another CD automatic changer, consult your JVC IN-CAR ENTERTAINMENT dealer for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

- Refer also to the instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

Playing CDs



Number buttons CD-CH



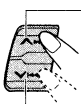
Select the CD automatic changer.

Playback starts from the first track of the first disc.
All tracks of all discs are played back.

Note on One-Touch Operation:

When you press CD-CH, the power automatically comes on. You do not have to press \odot /I/ATT to turn on the power.

To fast-forward or reverse the track



Press and hold \gg , while playing a CD, to fast-forward the track.

Press and hold \ll , while playing a CD, to reverse the track.

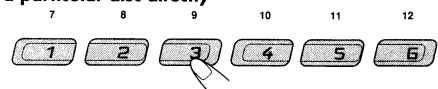
To go to the next tracks or the previous tracks



Press \gg briefly, while playing a CD, to go ahead to the beginning of the next track.
Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press \ll briefly, while playing a CD, to go back to the beginning of the current track.
Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

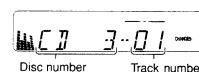
To go to a particular disc directly



Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).

- To select a disc number from 1 - 6:
Press 1 (7) - 6 (12) briefly.
- To select a disc number from 7 - 12:
Press and hold 1 (7) - 6 (12) for more than 1 second.

Ex. When disc number 3 is selected



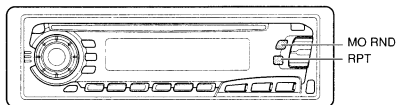
Disc number Track number

34

35

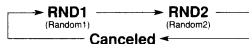


Selecting CD playback modes



To play back tracks at random (Random Play)

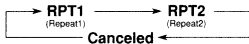
Each time you press MO RND (Monaural/Random) while playing a CD, CD random play mode changes as follows:



| Mode | RND Indicator | Plays at random |
|------|---------------|--|
| RND1 | Lights | All tracks of the current disc, then the tracks of the next disc, and so on. |
| RND2 | Flashes | All tracks of all discs inserted in the magazine. |

To play back tracks repeatedly (Repeat Play)

Each time you press RPT (Repeat) while playing a CD, CD repeat play mode changes as follows:



| Mode | RPT Indicator | Plays repeatedly |
|------|---------------|---|
| RPT1 | Lights | The current track (or specified track). |
| RPT2 | Flashes | All tracks of the current disc (or specified disc). |

36

DAB DAB TUNER OPERATIONS

This section is **ONLY FOR KD-SX878R**, when used with a JVC DAB (Digital Audio Broadcasting) tuner (separately purchased). We recommend that you use DAB tuner KT-DB1500 with your unit.
If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.
• Refer also to the Instructions supplied with your DAB tuner.

What is DAB system?

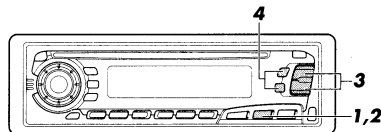
DAB is one of the digital radio broadcasting systems available today. It can deliver CD quality sound without any annoying interference and signal distortion. Furthermore, it can carry text, pictures and data.

In contrast to FM broadcast, where each programme is transmitted on its own frequency, DAB combines several programmes (called "services") to form one "ensemble."

With the DAB tuner connected with this unit, you can enjoy these DAB services.

Tuning into an ensemble and one of the services

A typical ensemble has 6 or more programmes (services) broadcast at the same time. After tuning into an ensemble, you can select a service you want to listen to.



Before you start...

Press FM/AM/DAB briefly if you are selecting CD, CD changer or LINE IN as the source.

1

DAB



Select the DAB tuner.

Each time you press and hold the button for more than 1 second, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2

DAB



Select the DAB band (DAB1, DAB2, or DAB3).

You can select any one of DAB1, DAB2, and DAB3 to tune into an ensemble.

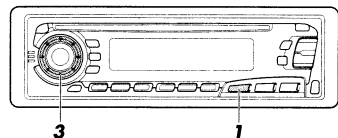
DAB 1 → DAB 2 → DAB 3

38

EXTERNAL COMPONENT OPERATIONS

This section is **ONLY FOR KD-SX878R**.

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).



Preparations:

- For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation Connection Manual (separate volume).
- Before operating the external component using the following procedure, select the external input correctly. (See "Selecting the external component to use" on page 30.)

1



Select the external component.



- If "LINE IN" does not appear on the display, see page 30 and select the external input ("LINE IN").
- Displayed only when one of the following sources is selected — FM, AM and CD.

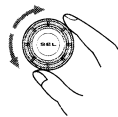
Note on One-Touch Operation:

When you press CD-CH, the power automatically comes on. You do not have to press ϕ /I/ATT to turn on the power.

2

Turn on the connected component and start playing the source.

3



Adjust the volume.

37

3



To search ensembles of higher frequencies

To search ensembles of lower frequencies

Start searching an ensemble.

When an ensemble is received, searching stops.

4



Select an service you want to listen to.

To stop searching before an ensemble is received, press the same button you have pressed for searching.

To change the display information while tuning into an ensemble

Normally service name is shown on the display.

By pressing DISP, you can also change the display while tuning into an ensemble.

Each time you press the button, the following information appears for a while on the display.



To restore the FM/AM tuner

Press and hold FM/AM/DAB for more than 1 second again.

To tune in a particular ensemble without searching:

- Press and hold FM/AM/DAB for more than 1 second.
- Press FM/AM/DAB repeatedly to select the DAB band (DAB1, DAB2, or DAB3).
- Press and hold Δ or ∇ for more than 1 second.
- Press Δ or ∇ repeatedly until the ensemble you want is reached.
 - If you hold down the button, the frequency keeps changing until you release the button.

39

ENGLISH

DAB

Storing DAB services in memory

You can preset up to 6 DAB services in each DAB band (DAB1, DAB2 and DAB3) manually.

4

3

5

1,2

1

DAB

Select the DAB tuner.
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2

DAB

Select the DAB band (DAB1, DAB2, or DAB3) you want.
Each time you press the button, the DAB band changes as follows:

DAB 1 → DAB 2 → DAB 3

3

Tune into an ensemble you want.

40

ENGLISH

DAB

Tuning into a preset DAB service

You can easily tune into a preset DAB service.
Remember that you must store services first. If you have not stored them yet, see pages 40 and 41.

3

1,2

1

DAB

Select the DAB tuner.
Each time you press and hold the button, the DAB tuner and the FM/AM tuner are alternately selected.

DAB ↔ FM/AM

2

DAB

Select the DAB band (DAB1, DAB2, or DAB3) you want.
Each time you press the button, the DAB band changes as follows:

DAB 1 → DAB 2 → DAB 3

3

1

2

3

4

5

6

Select the number (1 – 6) for the preset DAB service you want.

42

ENGLISH

DAB

4

Select a service of the ensemble you want.

5

Press and hold the number button (in this example, 1) for more than 2 seconds.

DAB 1 P1

SERVICE

Band/preset number and service name flash alternately for a while.

6

Repeat the above procedure to store other DAB services into other preset numbers.

Notes:

- A previously preset DAB service is erased when a new DAB service is stored in the same preset number.
- Preset DAB services are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the DAB services again.

41

ENGLISH

MAINTENANCE ?!

Handling CDs

This unit has been designed only to reproduce the CDs bearing the mark. Other discs cannot be played back.

How to handle CDs

When removing a CD from its case, press down the center holder of the case and lift the CD out, holding it by the edges.

- Always hold the CD by the edges. Do not touch its recording surface.

When storing a CD into its case, gently insert the CD around the center holder (with the printed surface facing up).

- Make sure to store CDs into the cases after use.

To keep CDs clean

A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

To play new CDs

New CDs may have some rough spots around the inner and outer edges. If such a CD is used, this unit may reject the CD.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the CD and leave the unit turned on for a few hours until the moisture evaporates.

CAUTIONS:

- Do not insert 8 cm CDs (single CDs) into the loading slot. (Such CDs cannot be ejected.)
- Do not insert any CD of unusual shape — like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose CDs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean CDs.

When playing a CD-R (Recordable)

You can play back your original CD-Rs on this receiver.

- Before playing back CD-Rs, read their instructions or cautions carefully.
- Some CD-Rs recorded on CD recorders may not be played back on this receiver because of their disc characteristics, and of the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the unit.
 - The pickup lens inside the CD player is dirty.
- Use only "finalized" CD-Rs.
- CD-RWs (Rewritable) cannot be played back on this receiver.
- Do not use CD-Rs with stickers or sticking labels on the surface. They may cause malfunctions.

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.

We recommend that you stop CD play while driving on such rough roads.

43

1-14

❓ TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

| Symptoms | Causes | Remedies |
|--|--|--|
| • CD cannot be played back. | CD is inserted upside down. | Insert the CD correctly. |
| • CD sound is sometimes interrupted. | You are driving on rough roads. | Stop playing CD while driving on rough roads. |
| | The disc is scratched. | Change the disc. |
| | Connections are incorrect. | Check the cords and connections. |
| • Sound is sometimes interrupted. | Connections are incorrect. | Check the cords and connections. |
| • Sound cannot be heard from the speakers. | The volume is turned to the minimum level. | Adjust it to the optimum level. |
| | Connections are incorrect. | Check the cords and connections. |
| • SSM (Strong-station Sequential Memory) automatic preset does not work. | Signals are too weak. | Store stations manually. |
| • Static noise while listening to the radio. | The antenna is not connected firmly. | Connect the antenna firmly. |
| • "NO DISC" appears on the display. | No CD is in the magazine. | Insert CDs into the magazine. |
| | CDs are inserted incorrectly. | Insert them correctly. |
| • "RESET 8" appears on the display. | This unit is not connected to a CD changer correctly. | Connect this unit and the CD changer correctly and press the reset button of the CD changer. |
| • "RESET 1-RESET 7" appears on the display. | | Press the reset button of the CD changer. |
| • CD can be neither played back nor ejected. | The unit may function incorrectly. | Press DIS/ATT and ▲ at the same time for several seconds. Be careful not to drop CD when it is ejected. |
| • This unit does not work at all. | The built-in microcomputer may function incorrectly due to noise, etc. | Press and hold both SEL and DIS/ATT at the same time for several seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.) |
| • The CD changer does not work at all. | | |

SPECIFICATIONS

AUDIO AMPLIFIER SECTION

Maximum Power Output:
Front: 40 W per channel
Rear: 40 W per channel
Continuous Power Output (RMS):
Front: 16 W per channel into 4 Ω , 40 Hz to 20,000 Hz at no more than 0.8% total harmonic distortion.
Rear: 16 W per channel into 4 Ω , 40 Hz to 20,000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range
Bass: ± 10 dB at 100 Hz
Treble: ± 10 dB at 10 kHz
Frequency Response: 40 Hz to 20,000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance: 2.0 V/20 k Ω load (full scale)
Output impedance: 1 k Ω

TUNER SECTION

Frequency Range
FM: 87.5 MHz to 108.0 MHz
AM: (MW) 522 kHz to 1,620 kHz
(LW) 144 kHz to 279 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μ V/75 Ω)
50 dB Quieting Sensitivity:
16.3 dBf (1.8 μ V/75 Ω)
Alternate Channel Selectivity (400 kHz):
65 dB
Frequency Response: 40 Hz to 15,000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V
Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20,000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit

GENERAL

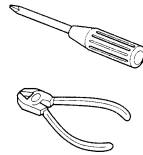
Power Requirement
Operating Voltage: DC 14.4 V (11 V to 16 V allowance)
Allowable Operational Temperature:
0°C to +40°C
Grounding System: Negative ground
Dimensions (W \times H \times D)
Installation Size:
182 mm \times 52 mm \times 150 mm
Panel Size: 188 mm \times 58 mm \times 14 mm
Mass: 1.3 kg (excluding accessories)

Design and specifications subject to change without notice.



**KD-SX878R
KD-S777R**
Installation/Connection Manual
Einbau/Anschlußanleitung
Manuel d'installation/raccordement

FSUN3117-T211
[E]



1299MNMWDJES
EN, GE, FR

ENGLISH

- This unit is designed to operate on 12 volts DC, NEGATIVE ground electrical systems.

**INSTALLATION
(IN-DASH MOUNTING)**

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

DEUTSCH

- Dieses Gerät ist für einen Betrieb in elektrischen Anlagen mit 12 V Gleichstrom und (-) Erdung ausgelegt.

**EINBAU
(IM ARMATURENBRETT)**

- Die folgende Abbildung zeigt einen typischen Einbau. Dennoch müssen Sie entsprechend Ihrem jeweiligen Auto Anpassungen vornehmen. Bei irgendwelchen Fragen oder wenn Sie Informationen hinsichtlich des Einbausatzes brauchen, wenden Sie sich an Ihren JVC Autoradiohändler oder ein Unternehmen das diese Einbausätze vertreibt.

FRANÇAIS

- Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 volts à masse NEGATIVE.

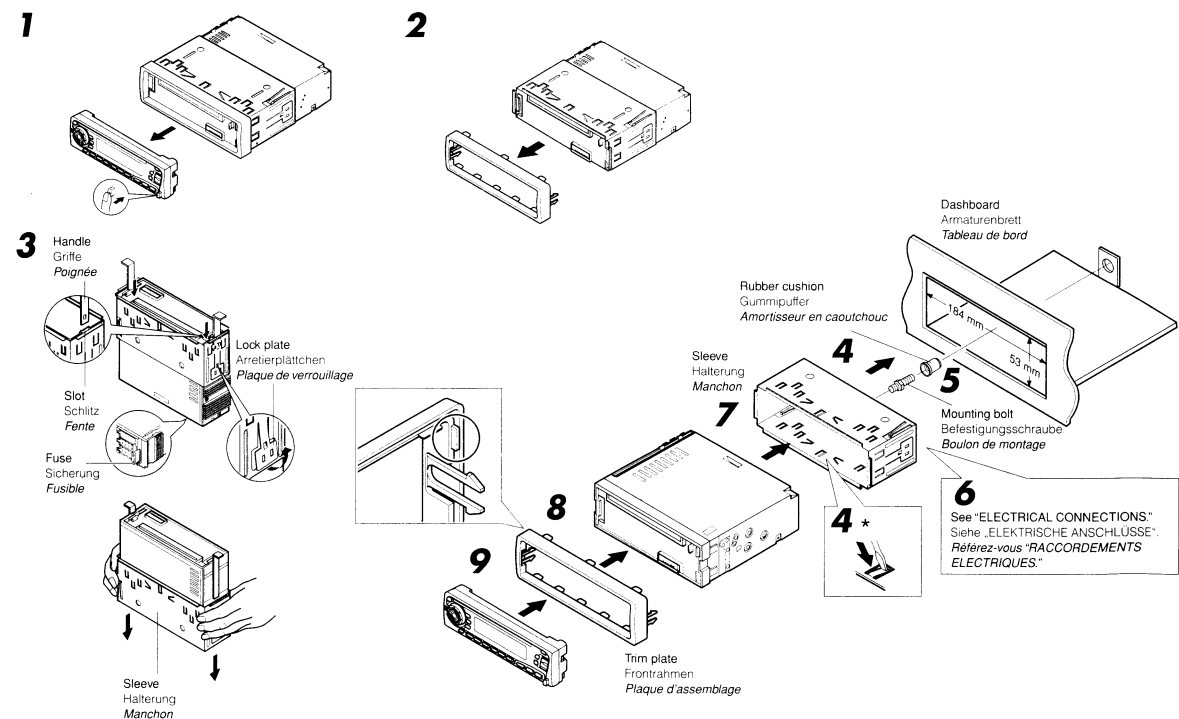
**INSTALLATION
(MONTAGE DANS LE TABLEAU DE BORD)**

- L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

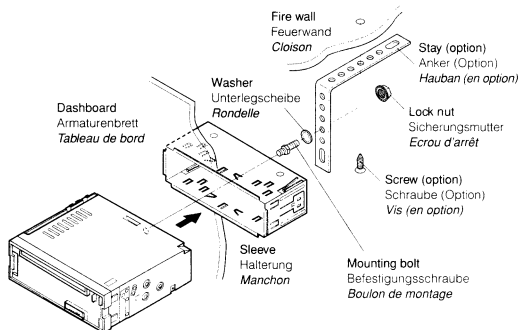
- 1 Before mounting:** Press (Control Panel Release button) to detach the control panel.
- 2** Remove the trim plate.
- 3** Remove the sleeve after disengaging the sleeve locks.
 - ① Stand the unit.
 - Note:** When you stand the unit, be careful not to damage the fuse on the rear.
 - ② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.
 - ③ Remove the sleeve.
 - Note:** Be sure to keep the handles for future use after installing the unit.
- 4** Install the sleeve into the dashboard.
 - * After the sleeve is correctly installed into the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.
- 5** Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.
- 6** Do the required electrical connections.
- 7** Slide the unit into the sleeve until it is locked.
- 8** Attach the trim plate so that the projection on the trim plate is fixed to the left side of the unit.
- 9** Attach the control panel.

- 1 Vor dem Einbau:** (Schalttafel-Freigabetaste) zum Lösen der Schalttafel drücken.
- 2** Den Frontrahmen herausnehmen.
- 3** Die Halterung nach dem Entriegeln der Halterungssperren abnehmen.
 - ① Das Gerät aufstellen.
 - Hinweis:** Beim Aufstellen des Geräts darauf achten, daß die Sicherung auf der Rückseite nicht beschädigt wird.
 - ② Die beiden Griffe zwischen dem Gerät und der Halterung wie abgebildet einstecken und die Halterungssperren entriegeln.
 - ③ Die Halterung entfernen.
 - Hinweis:** Sicherstellen, daß die Griffe für künftigen Gebrauch nach dem Einbau des Geräts aufbewahrt werden.
- 4** Die Halterung im Armaturenbrett einbauen.
 - * Nach dem korrekten Einbau der Halterung im Armaturenbrett, die entsprechenden Riegel umknicken, um die Halterung an ihrem Platz zu sichern, siehe Abbildung.
- 5** Die Befestigungsschraube an der Rückseite des Gerätekörpers befestigen und das Ende der Schraube mit einem Gummipuffer abdecken.
- 6** Nehmen Sie die erforderlichen elektrischen Anschlüsse vor.
- 7** Das Gerät in die Halterung schieben, bis es einrastet.
- 8** Befestigen Sie die Frontrahmen in der Form, daß der Fortsatz der Frontrahmen auf der linken Seite des Geräts befestigt wird.
- 9** Die Schalttafel anbringen.

- 1 Avant le montage:** Appuyer sur (touche de libération du panneau de commande) pour détacher le panneau de commande.
- 2** Retirer la plaque d'assemblage.
- 3** Libérer les verrous du manchon et retirer le manchon.
 - ① Poser l'appareil à la verticale.
 - Remarque:** Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur le fond.
 - ② Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengager les verrous de manchon.
 - ③ Retirer le manchon.
 - Remarque:** S'assurer de garder les poignées pour une utilisation ultérieure, après l'installation de l'appareil.
- 4** Installer le manchon dans le tableau de bord.
 - * Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.
- 5** Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.
- 6** Réalisez les connexions électriques.
- 7** Faire glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.
- 8** Attachez la plaque d'assemblage de façon que la projection de la plaque soit fixée sur le côté gauche de l'appareil.
- 9** Remonter le panneau de commande.

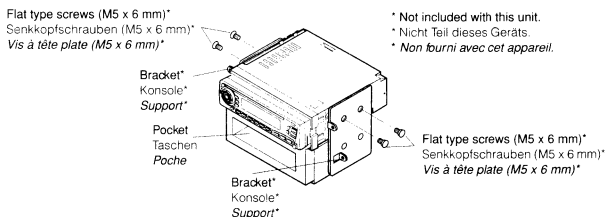


- When using the optional stay
- Beim Verwenden der Anker-Option
- Lors de l'utilisation du hauban en option



- When installing the unit without using the sleeve
- Beim Einbau des Geräts ohne Halterung
- Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.
Zum Beispiel in einem Toyota zuerst das Autoradio ausbauen und dann das Gerät an seinem Platz einbauen.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.



Note: When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.

Hinweis: Beim Anbringen des Gerät an der Konsole sicherstellen, daß 6 mm lange Schrauben verwendet werden. Werden längere Schrauben verwendet, können sie das Gerät beschädigen.

Remarque: Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 6 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.

Removing the unit

- Before removing the unit, release the rear section.
- 1 Remove the control panel.
- 2 Remove the trim plate.
- 3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. (Be sure to keep the handles after installing it.)

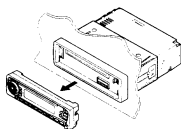
Ausbau des Geräts

- Vor dem Ausbau des Geräts den hinteren Teil freigeben.
- 1 Die Schalttafel abnehmen.
- 2 Den Frontrahmen abnehmen.
- 3 Die 2 Griffe in die Schlitz wie gezeigt stecken. Dann die Griffe behutsam auseinander ziehen und das Gerät herausziehen. (Die Griffe nach dem Einbau auf jeden Fall aufbewahren.)

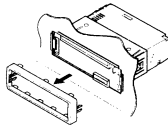
Retrait de l'appareil

- Avant de retirer l'appareil, libérer la section arrière.
- 1 Retirer le panneau de commande.
- 2 Retirer la plaque d'assemblage.
- 3 Introduire les deux poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir. (S'assurer de conserver les poignées après l'installation de l'appareil.)

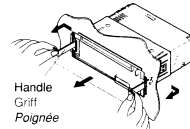
1



2



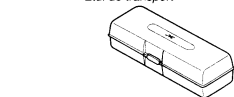
3



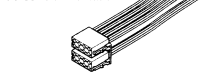
Parts list for installation and connection

The following parts are provided with this unit.
After checking them, please set them correctly.

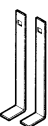
Hard case
Etui
Etui de transport



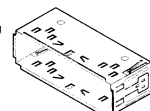
Power cord
Spannungsversorgungskabel
Cordon d'alimentation



Handles
Griffe
Poignées



Sleeve
Halterung
Manchon



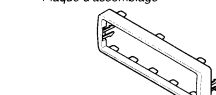
Washer (ø5)
Unterlegscheibe (ø5)
Rondelle (ø5)



Lock nut (M5)
Sicherungsmutter (M5)
Ecrou d'arrêt (M5)



Trim plate
Frontrahmen
Plaque d'assemblage



Mounting bolt (M5 x 20 mm)
Befestigungsschrauben (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)



Rubber cushion
Gummipuffer
Amortisseur en caoutchouc



ENGLISH

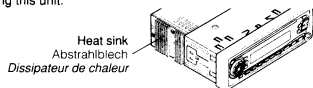
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:

This unit is designed to operate on 12 volts DC, **NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
- If noise is a problem...
This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (see connection diagram) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC IN-CAR ENTERTAINMENT dealer.
- Maximum input of the speakers should be more than 40 watts at the rear and 40 watts at the front, with an impedance of 4 to 8 ohms.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



DEUTSCH

ELEKTRISCHE ANSCHLÜSSE

Zur Vermeidung von Kurzschlüssen empfehlen wir, daß Sie den negativen Batterieanschluß abtrennen und alle elektrischen Anschlüsse herstellen, bevor das Gerät eingebaut wird. Sind Sie sich über den richtigen Einbau des Geräts nicht sicher, lassen Sie es von einem qualifizierten Techniker einbauen.

Hinweis:

Dieses Gerät ist für den Betrieb in **elektrischen Anlagen mit 12 V Gleichstrom und (-) Erdung** ausgelegt. Verfügt Ihr Fahrzeug nicht über diese Anlage, ist ein Spannungsinverter erforderlich, der bei JVC Autoradiohändler erworben werden kann.

- Die Sicherung mit einer der entsprechenden Nennleistung ersetzen. Brennt die Sicherung häufig durch, wenden Sie sich an Ihren JVC Autoradiohändler.
- Sind Störgeräusche ein Problem...
Dieses Gerät enthält ein Störfilter im Stromkreis. Bei manchen Fahrzeugen kann jedoch ein Klicken oder andere unerwünschte Störgeräusche auftreten. Sollte das der Fall sein, die **hintere Erdungsanschlußklemme** (siehe Schaltplan) des Geräts am Fahrwerk des Fahrzeugs anschließen, dabei kürzere und dickere Kabel wie beispielsweise Kupfergeflecht oder Stahldraht verwenden. Bleibt Störgeräusch bestehen, wenden Sie sich an Ihren JVC Autoradiohändler.
- Maximale Eingangsleistung der Lautsprecher muß höher als 40 W hinten und 40 W vorne sein, mit einer Impedanz von **4 bis 8 Ohm**.
- **Sicherstellen, daß das Gerät am Fahrwerk geerdet wird.**
- Das Abstrahlblech wird nach dem Gebrauch sehr heiß. Beim Ausbau des Geräts darauf achten, das Abstrahlblech nicht zu berühren.

FRANÇAIS

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:

Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 volts à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

- Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
- Si le bruit est un problème...
Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la **borne de masse arrière** de l'appareil au châssis de la voiture (voir le schéma de raccordement) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.
- La puissance admissible des haut-parleurs doit être supérieure à 40 watts à l'arrière et à 40 watts l'avant, avec une impédance de **4 à 8 ohms**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- Le radiateur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

A Typical Connections / Typische Anschlüsse / Raccordements typiques

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

1 Connect the colored leads of the power cord to the car battery, speakers and power aerial (if any) in the following sequence.

- ① Black: ground
- ② Yellow: to car battery (constant 12V)
- ③ Red: to an accessory terminal
- ④ Others: to speakers
- ⑤ Blue with white stripe: to power aerial (200mA max.)
- ⑥ Brown: to cellular phone system (For details, refer to the instructions of the cellular phone.)

2 Connect the aerial cord.

3 Finally connect the wiring harness to the unit.

Note: If your vehicle does not have any accessory terminal, move the fuse from the fuse position 1 (initial position) to fuse position 2, and connect the red lead (A7) to the positive (+) battery terminal. The yellow lead (A4) is not used in this case.

Vor dem Anschließen: Die Verdrahtung im Fahrzeug sorgfältig überprüfen. Falsche Anschlüsse können ernsthafte Schäden am Gerät hervorrufen.

1 Die farbigen Leitungen des Spannungsversorgungskabels an der Autobatterie, den Lautsprechern und dem Motorantenne (sofern vorhanden) in folgender Reihenfolge anschließen.

- ① Schwarz: Erdung
- ② Gelb: an Autobatterie (konstant 12 V)
- ③ Rot: an Zubehöranschlufklemme
- ④ Andere: an Lautsprecher
- ⑤ Blau mit weißem Streifen: an Motorantenne (max. 200 mA)
- ⑥ Braun: an Mobiltelefon (Weitere Informationen entnehmen Sie bitte der Bedienungsanleitung des Mobiltelefons.)

2 Das Antennenkabel anschließen.

3 Die Kabelbäume am Gerät anschließen.

Hinweis: Verfügt Ihr Fahrzeug nicht über eine Zubehöranschlufklemme, die Sicherung, von der die Sicherungsposition (Erstposition) in die 2. Sicherungsposition versetzen, die rote Leitung (A7) an der (+) Batterieanschlufklemme anschließen.

• Die gelbe Leitung (A4) wird in diesem Fall nicht verwendet.

Avant de commencer la connexion: vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.

1 Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant.

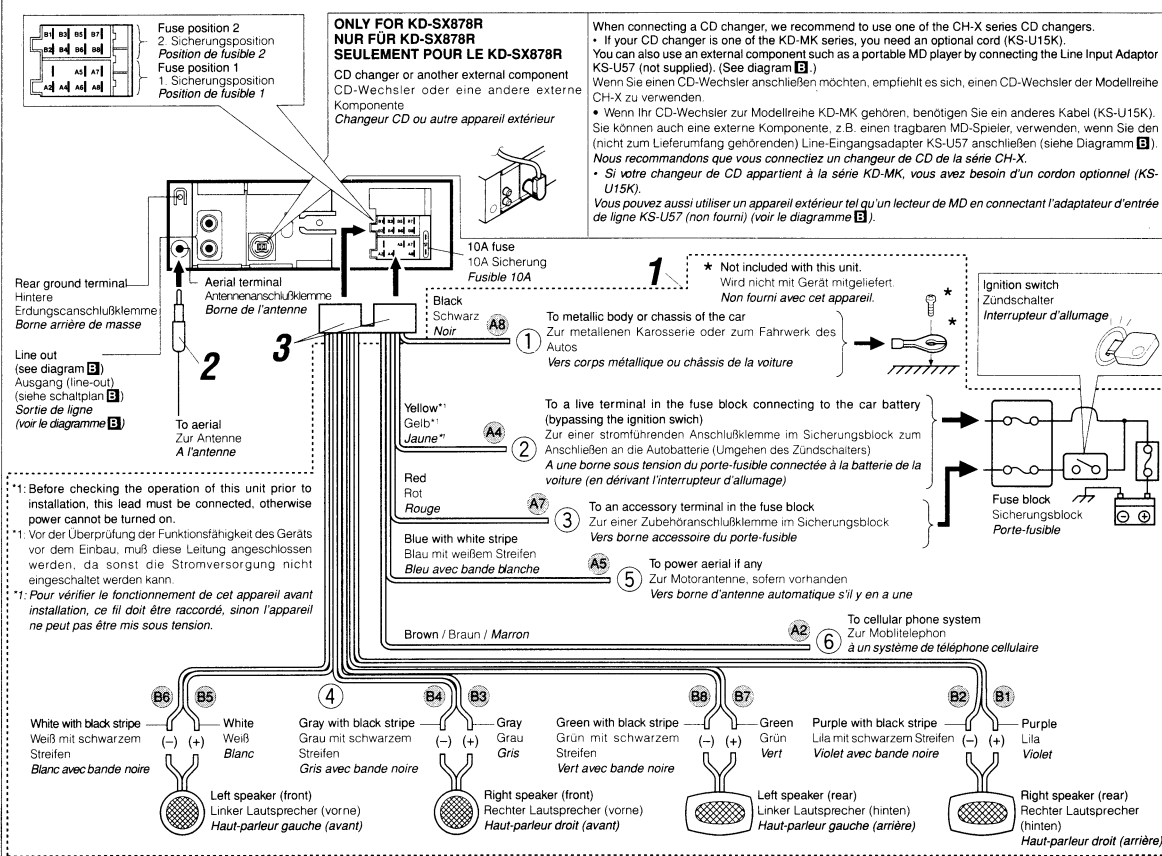
- ① Noir: à la masse
- ② Jaune: à la batterie de la voiture (12V constant)
- ③ Rouge: à la prise accessoire
- ④ Autres: aux enceintes
- ⑤ Bleu à bandes blanches: à l'antenne automatique (200 mA max.)
- ⑥ Marron: à un système de téléphone cellulaire (Pour les détails, se référer aux instructions du téléphone cellulaire.)

2 Connectez le cordon d'antenne.

3 Finalement, connectez le faisceau de fils à l'appareil.

Remarque: Si votre véhicule ne possède pas de borne accessoire, déplacez le fusible de la position de fusible 1 (position originale) à la position de fusible 2 et connectez le fil rouge (A7) à la borne positive (+) de la batterie.

• Le fil jaune (A4) n'est pas utilisé dans ce cas.



PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
- If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below, DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
- If the speaker wiring in your car is as illustrated in Fig. 3, you can connect the unit using the original speaker wiring in your car.
- If you are not sure of the speaker wiring of your car, consult your car dealer.

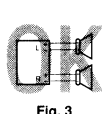
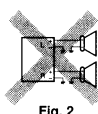


Fig. 1

Fig. 2

Fig. 3

VORSICHTSMASSREGELN beim Anschließen der Stromversorgung und Lautsprecher:

- Die Lautsprecherleitungen des Netzkabels NICHT an der Autobatterie anschließen, da sonst das Gerät schwer beschädigt wird.
- Die schwarze Leitung (Erdung), die gelbe Leitung (zur Autobatterie, konstant 12 V) und die rote Leitung (zur Zubehöranschlufklemme) richtig anschließen.
- VOR dem Anschließen der Lautsprecherleitungen des Spannungsversorgungskabels an die Lautsprecher, die Lautsprecherverdrahtung in Ihrem Auto überprüfen.
- Ist die Lautsprecherverdrahtung wie unten in "Fig. 1" und "Fig. 2" abgebildet, das Gerät NICHT mit der Originalverdrahtung der Lautsprecher anschließen, da sonst das Gerät schwer beschädigt wird. Das Lautsprecherkabel erneuern, so daß Sie das Gerät an den Lautsprechern wie in "Fig. 3" abgebildet anschließen können.
- Ist die Lautsprecherverdrahtung in Ihrem Auto wie in "Fig. 3" abgebildet, können Sie das Gerät mit der Originalverdrahtung der Lautsprecher in Ihrem Auto anschließen.
- Sind Sie sich über die Lautsprecherverdrahtung in Ihrem Auto nicht sicher, wenden Sie sich an Ihren Autohändler.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- Connectez correctement le fil noir (à la masse), le fil jaune (à la batterie de la voiture, 12V constant) et le fil rouge (à la prise accessoire).
- AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.
- Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous, NE CONNECTEZ PAS l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.
- Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3, vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.
- Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consultez le concessionnaire de votre voiture.

Connecting the leads / Anschließen der Leitungen / Raccordement des fils

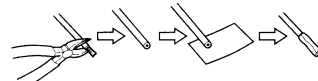
Twist the core wires when connecting.
Die Kerndrähte beim Anschließen
verdrehen.
Torsader les âmes des fils en les
raccordant.

Solder the core wires to connect them securely.
Die Kerndrähte anlöten, um sie fest anzuschließen.
Soudier les âmes des fils pour les raccorder entre eux
de façon sûre.



CAUTION / VORSICHT / PRECAUTION:

- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- Zur Vermeidung eines Kurzschlusses die Anschlußklemmen der NICHT VERWENDETEN Leitungen mit Isolierklebeband umwickeln.
- Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS utilisés avec de la bande isolante.



B Connections Adding Other Equipment / Anschlüsse zum Hinzufügen von anderer Ausrüstung / Raccordement pour ajouter d'autres appareils

Amplifier / Verstärker / Amplificateur

You can connect an amplifier and other equipment to upgrade your car stereo system.

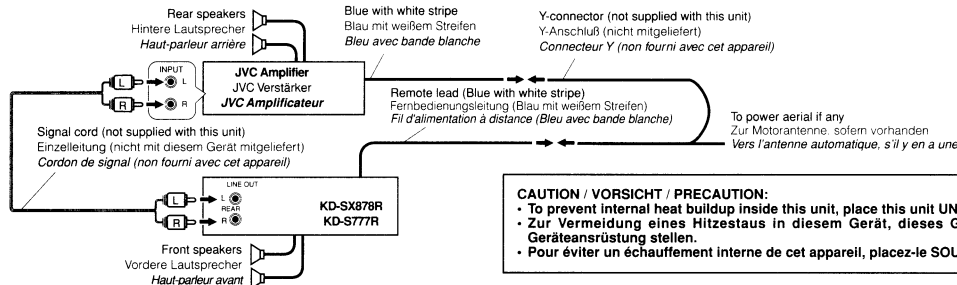
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- For amplifier only:
 - Connect this unit's line-out terminals to the amplifier's line-in terminals.
 - Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)

Sie können einen Verstärker oder ein anderes Gerät anschließen, um Ihre Autostereoanlage zu erweitern.

- Schließen Sie das Fernbedienungskabel (blau mit weißem Streifen) an das Fernbedienungskabel des anderen Geräts an, so daß es über dieses Gerät gesteuert werden kann.
- Nur für den Verstärker:
 - Die Anschlußklemmen am Ausgang dieses Gerät an den Anschlußklemmen des Eingangs des Verstärkers anschließen.
 - Die Lautsprecher von diesem Gerät abtrennen und am Verstärker anschließen. Die Lautsprecherleitungen dieses Geräts unbenutzt lassen. (Die Anschlußklemmen dieser nicht verwendeten Leitungen mit Isolierband umwickeln, siehe Abb. oben.)

Vous pouvez connecter un amplificateur ou autre appareil pour améliorer votre système autoradio.

- Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.
- Pour l'amplificateur seulement:
 - Raccorder les bornes de sortie ligne de cet appareil aux bornes d'entrée ligne de l'amplificateur.
 - Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)



CAUTION / VORSICHT / PRECAUTION:

- To prevent internal heat buildup inside this unit, place this unit UNDER the other equipment.
- Zur Vermeidung eines Hitzestaus in diesem Gerät, dieses Gerät UNTER die andere Geräteausrüstung stellen.
- Pour éviter un échauffement interne de cet appareil, placez-le SOUS l'autre appareil.

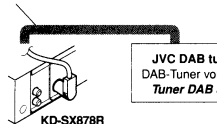
CD changer and DAB tuner / CD-Wechsler und DAB-Tuner / Changeur CD et tuner DAB

ONLY FOR KD-SX878R

You can connect a JVC CD changer and/or a JVC DAB (Digital Audio Broadcasting) tuner.

- For their connections, refer to the instructions supplied with them.

Connecting cord supplied with your DAB tuner
Verbindungskabel, das zum Lieferumfang des DAB-Tuners gehört
Cordon de connexion fourni avec votre tuner DAB

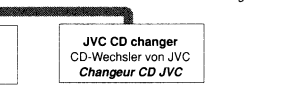


NUR FÜR KD-SX878R

Sie können einen CD-Wechsler und/oder einen DAB-Tuner (Tuner für digitalen Rundfunk) von JVC anschließen.

- Weitere Informationen über den Anschluß können Sie der Bedienungsanleitung entnehmen, die dem jeweiligen Gerät beiliegt.

Connecting cord supplied with your CD changer
Verbindungskabel, das zum Lieferumfang des CD-Wechsler gehört
Cordon de connexion fourni avec votre changeur CD

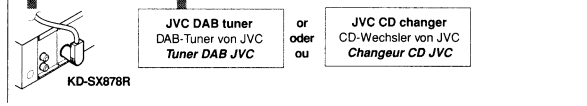


SEULEMENT POUR LE KD-SX878R

Vous pouvez connecter un changeur CD JVC et/ou un tuner DAB (Digital Audio Broadcast) JVC.

- Pour leurs connexions, référez-vous aux modes d'emploi qui les accompagnent.

Connecting cord supplied with your DAB tuner or CD changer
Verbindungskabel, das zum Lieferumfang des DAB-Tuners oder CD-Wechsler gehört
Cordon de connexion fourni avec votre tuner DAB ou changeur CD



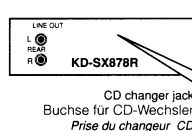
- You can connect both components in series as illustrated above.
- Es ist möglich, beide Komponenten in einer Serienschaltung entsprechend der obigen Darstellung anzuschließen.
- Vous pouvez connecter les deux appareils en série comme montré ci-dessus.

CAUTION / VORSICHT / PRECAUTION:

- Before connecting the CD changer and/or the DAB tuner, make sure that the unit is turned off.
- Bevor Sie den CD-Wechsler und/oder den DAB-Tuner anschließen, vergewissern Sie sich, daß das Gerät ausgeschaltet ist.
- Avant de connecter le changeur CD et/ou le tuner DAB, s'assurer que l'unité est éteinte.

External component / Externe Komponente / Appareil extérieur

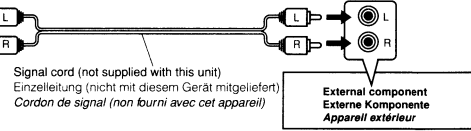
ONLY FOR KD-SX878R



NUR FÜR KD-SX878R

Line Input Adaptor KS-U57 (not supplied with this unit)
Line-Eingangsadapter KS-U57 (nicht mit diesem Gerät
mitgeliefert)
Adaptateur d'entrée de ligne KS-U57 (non fourni avec cet
appareil)

SEULEMENT POUR LE KD-SX878R



TROUBLESHOOTING

- The fuse blows.**
 - Are the red and black leads connected correctly?
- Power cannot be turned on.**
 - Is the yellow lead connected?
- No sound from the speakers.**
 - Is the speaker output lead short-circuited?
- Sound is distorted.**
 - Is the speaker output lead grounded?
 - Are the "-" terminals of L and R speakers grounded in common?
- Unit becomes hot.**
 - Is the speaker output lead grounded?
 - Are the "-" terminals of L and R speakers grounded in common?

FEHLERSUCHE

- Die Sicherung brennt durch.**
 - Sind die roten und schwarzen Leitungen richtig angeschlossen?
- Stromversorgung kann nicht eingeschaltet werden.**
 - Ist die gelbe Leitung angeschlossen?
- Kein Ton aus den Lautsprechern.**
 - Ist die Lautsprecherausgangsleitung kurzgeschlossen?
- Ton verzerrt.**
 - Ist die Lautsprecherausgangsleitung geerdet?
 - Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?
- Gerät wird heiß.**
 - Ist die Lautsprecherausgangsleitung geerdet?
 - Sind die (-) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?

EN CAS DE DIFFICULTÉS

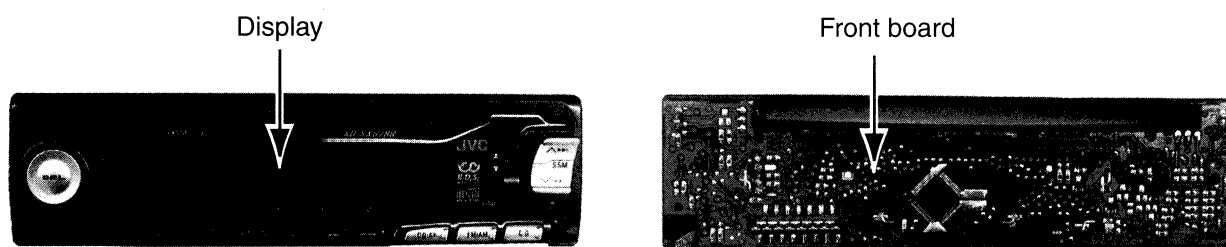
- Le fusible saute.**
 - Les fils rouge et noir sont-ils raccordés correctement?
- L'appareil ne peut pas être mis sous tension.**
 - Le fil jaune est-il raccordé?
- Pas de son des haut-parleurs.**
 - Le fil de sortie de haut-parleur est-il court-circuité?
- Le son est déformé.**
 - Le fil de sortie de haut-parleur est-il à la masse?
 - Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?
- L'appareil devient chaud.**
 - Le fil de sortie de haut-parleur est-il à la masse?
 - Les bornes "-" des haut-parleurs gauche et droit sont-elles mises ensemble à la masse?

KD-SX878R
KD-S777R

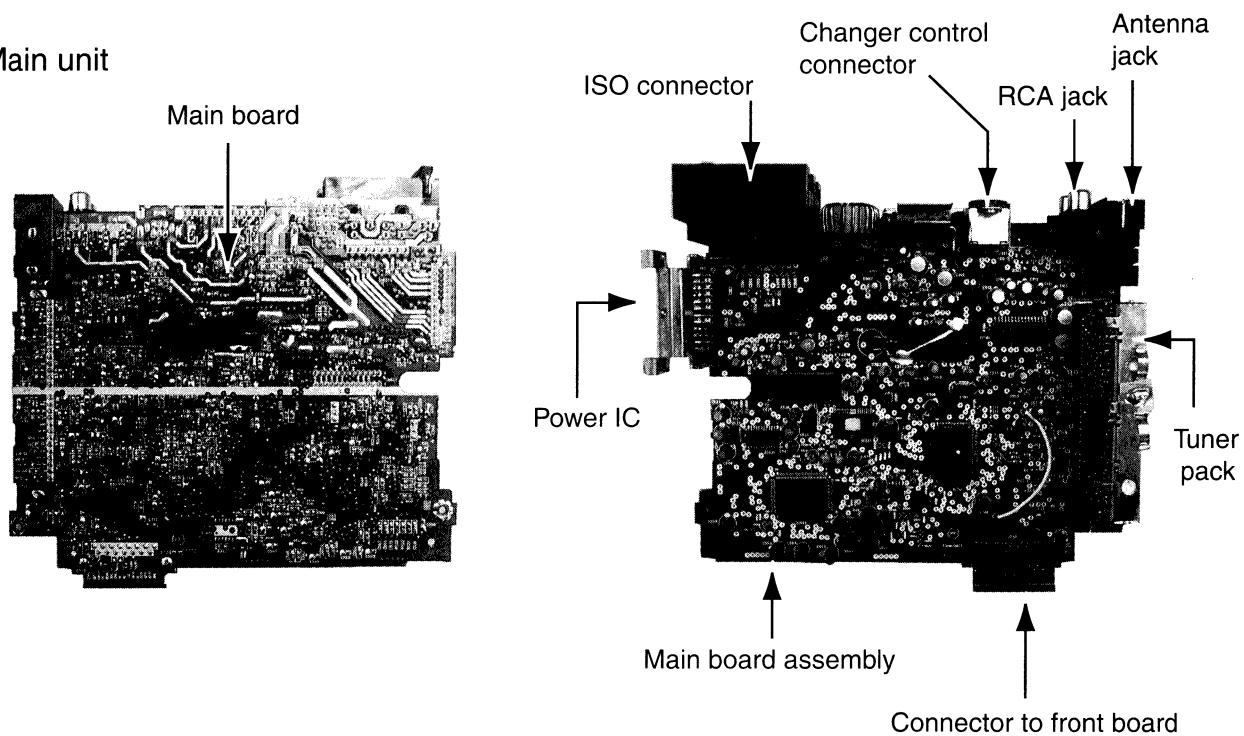
<< M E M O >>

Location of main parts

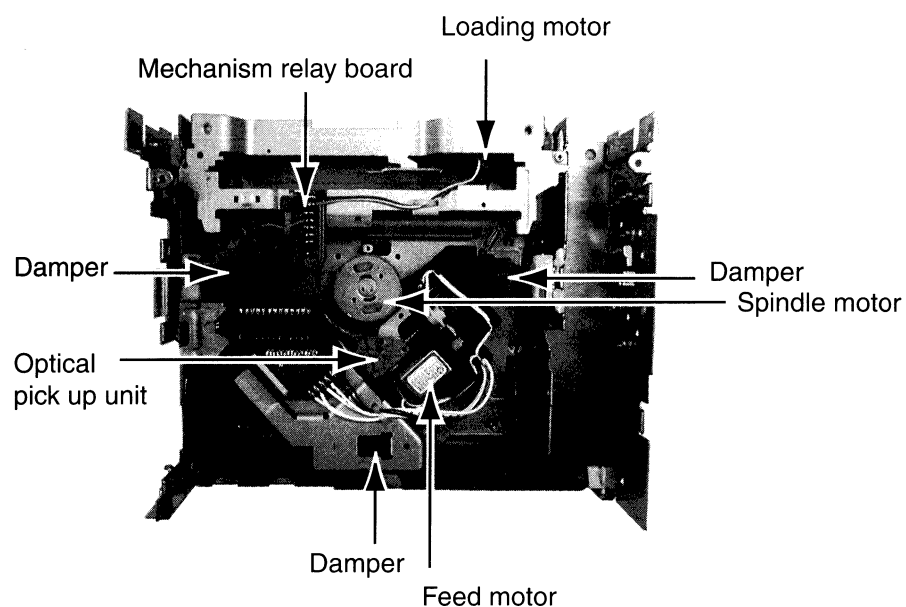
■ Control unit



■ Main unit



■ CD mechanism



Disassembly method

■ Removing the front chassis (See Fig.1)

1. Insert a screwdriver to the joints a on the side of the front chassis and two joints b on the right side, then detach the front chassis toward the front side.

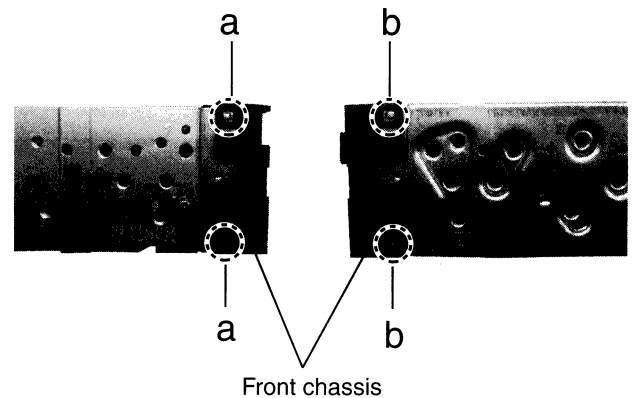


Fig.1

■ Removing the heat sink (See Fig.2)

1. Remove the three screws A attaching the heat sink on the left side of the body, and remove the heat sink.

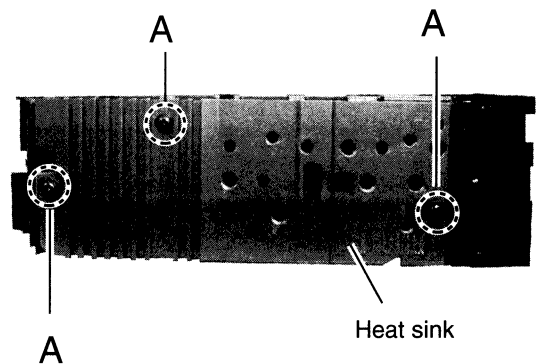


Fig.2

■ Removing the bottom cover (See Fig.3)

1. Turn the body upside down.
2. Insert a screwdriver to the two joints c and two joints d on both sides of the body and the joint e on the back of the body, then detach the bottom cover from the body.

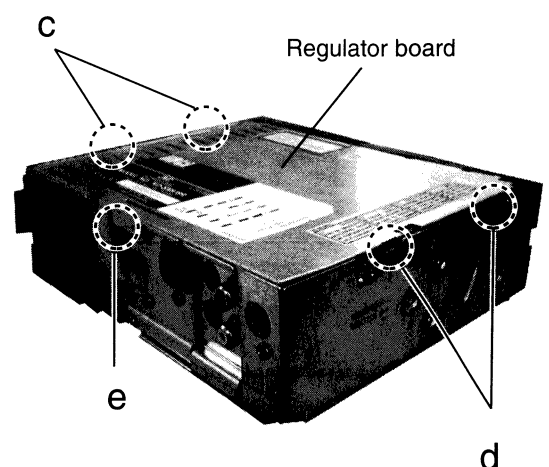


Fig. 3

■ Removing the main amplifier board assembly

(See Fig.4 and 5)

1. Remove the front chassis.
2. Remove the bottom cover.
3. Remove the two screws B attaching the main amplifier board assembly on the bottom of the body.
4. Remove the seven screws C attaching the main amplifier board assembly on the back of the body.
5. Disconnect connector CN501 on the main amplifier board assembly from the CD mechanism assembly.

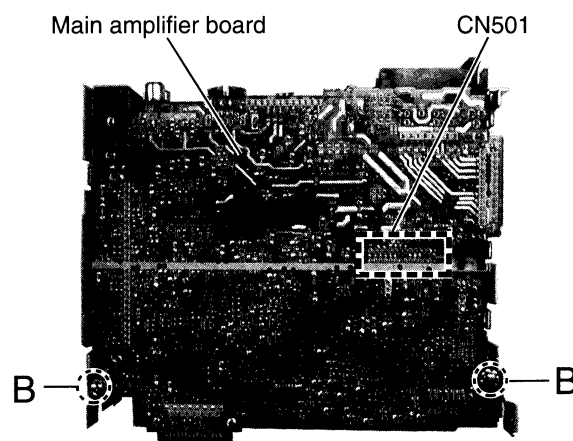


Fig. 4

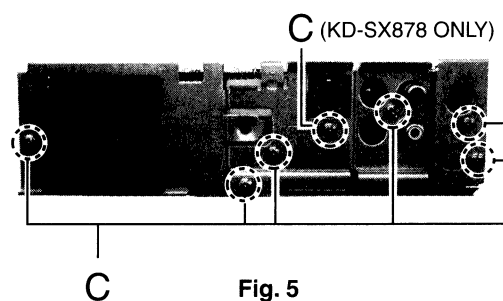


Fig. 5

■ Removing the CD mechanism assembly

(See Fig.6)

1. Remove the front chassis.
2. Remove the bottom cover.
3. Remove the main amplifier board assembly.
4. Remove the three screws D attaching the CD mechanism assembly from the top cover.

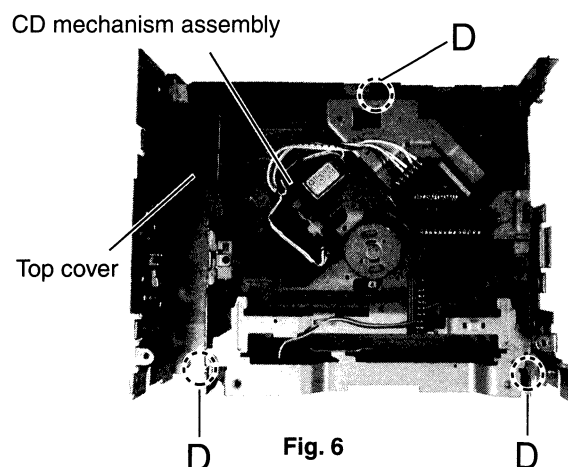


Fig. 6

■ Removing the control switch board

(See Fig.7 and 8)

1. Remove the front chassis.
2. Remove the five screws E attaching the rear cover on the back of the front panel unit.
3. Remove the control switch board from the front panel unit.

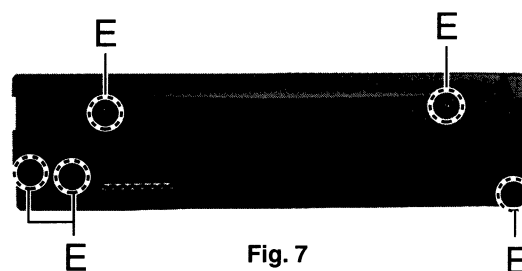


Fig. 7

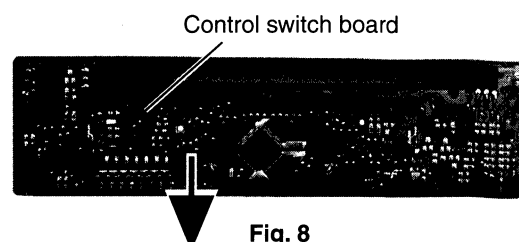


Fig. 8

<CD mechanism section>

- Prior to disassembling the CD mechanism, remove the following parts.
- The front panel unit and the front chassis
- The heat sink
- The bottom cover
- The main amplifier board
- The CD mechanism ass'y

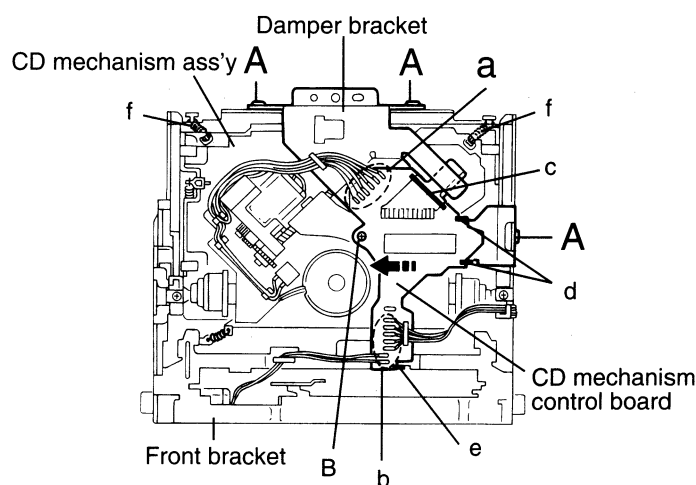


Fig.1

■ Removing the CD mechanism control board (See Fig.1 and 2)

1. Unsolder the part a and b on the CD mechanism control board.
2. Remove the stator fixing the CD mechanism control board and the damper bracket (To remove the stator smoothly, pick up the center part).

Remove the screw B attaching the CD mechanism control board.

Remove the CD mechanism control board in the direction of the arrow while releasing it from the two damper bracket slots d and the front bracket slot e.

Disconnect the flexible wire from connector on the pickup unit.

ATTENTION: Turn the FD gear in the direction of the arrow to move the entire pickup unit to the appropriate position where the flexible wire of the CD mechanism unit can be disconnected easily (Refer to Fig.2).

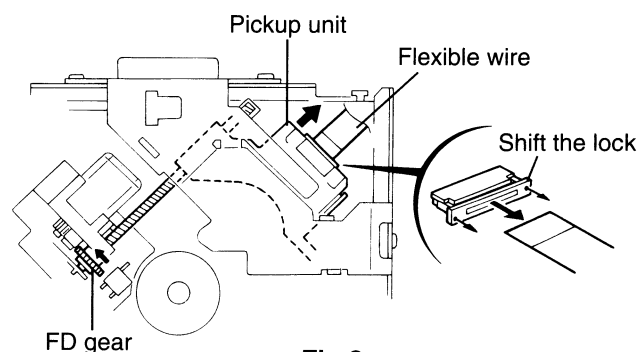


Fig.2

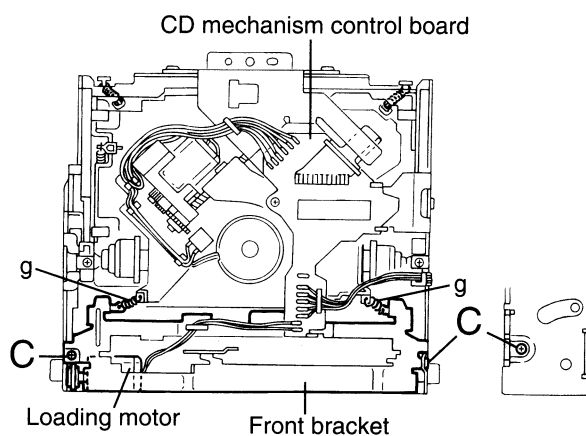


Fig.3

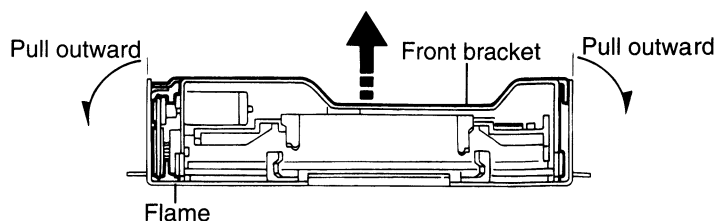


Fig.4

■ Removing the loading motor

(See Fig.3 to 5)

- Prior to performing the following procedure, remove the CD mechanism control board.
1. Remove the two springs g attaching the CD mechanism ass'y and the front bracket.
 2. Remove the two screws C and the front bracket while pulling the flame outward.
 3. Remove the belt and the screw D from the loading motor.

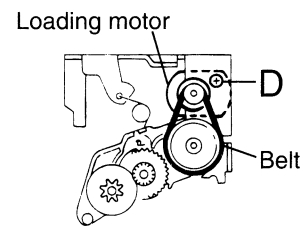


Fig.5

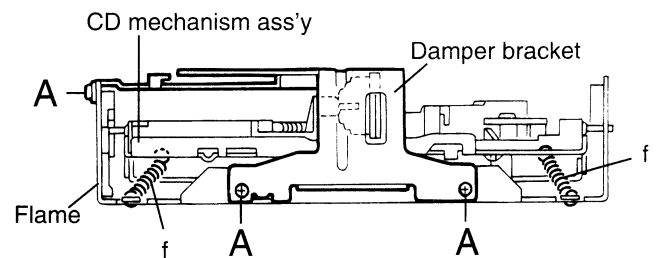


Fig.6

■ Removing the CD mechanism ass'y

(See Fig.1, 6 to 9)

- Prior to performing the following procedure, remove the CD mechanism control PWB and the front bracket (loading motor).
1. Remove the three screws A and the damper bracket.
 2. Raise the both sides fix arms and move the fix plates in the direction of the arrow to place the four shafts A as shown in Fig.8 and 9.
 3. Remove the CD mechanism ass'y and the two springs f attaching the flame.
 4. Remove the two screws E and both sides rear damper brackets from the dampers. Detach the CD

ATTENTION: The CD mechanism ass'y can be removed if only the rear damper bracket on the left side is removed.

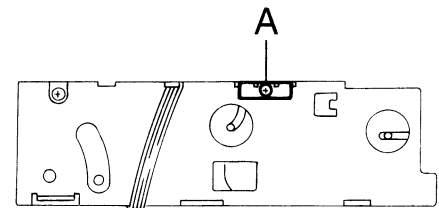


Fig.7

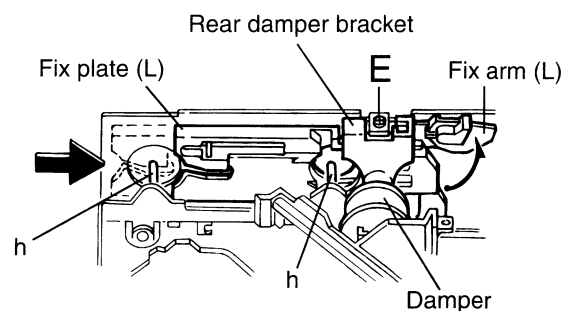


Fig.8

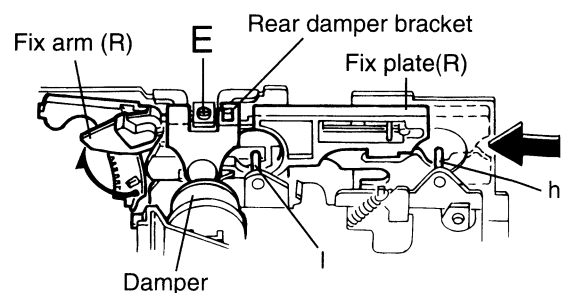


Fig.9

■ Removing the feed motor ass'y (See Fig.10)

- Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor) and the CD mechanism ass'y.

1. Remove the two screws F and the feed motor ass'y.

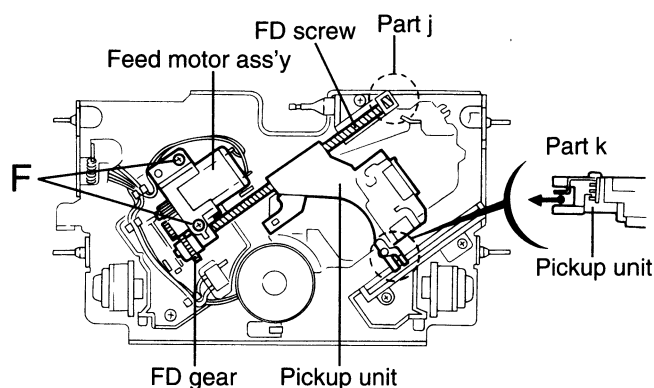


Fig.10

■ Removing the pickup unit (See Fig.10 and 11)

- *Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism ass'y and the feed motor ass'y.

1. Detach the FD gear part of the pickup unit upward. Then remove the pickup unit while pulling out the part j of the FD screw.

ATTENTION: When reattaching the pickup unit, reattach the part k of the pickup unit, then the part j of the FD screw.

2. Remove the screw L attaching the nut push spring plate and the pickup mount nut from the pickup unit. Pull out the FD screw.

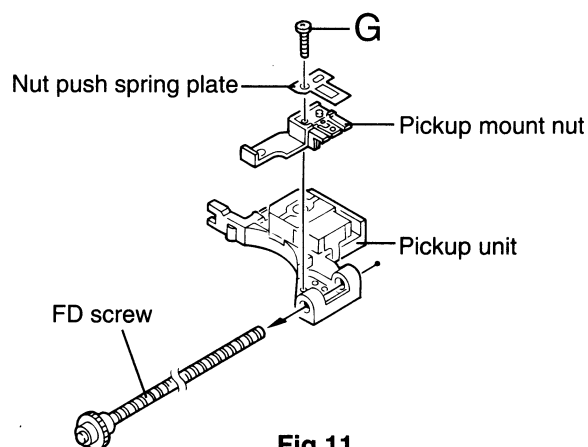


Fig.11

■ Removing the spindle motor (See Fig.12 and 13)

- Prior to performing the following procedure, remove the CD mechanism control board, the front bracket (loading motor), the CD mechanism ass'y and the feed motor ass'y.

1. Turn up the CD mechanism ass'y and remove the two springs i on both sides of the clamber arms. Open the clamber arm upward.
2. Turn the turn table, and remove the two screws H and the spindle motor.

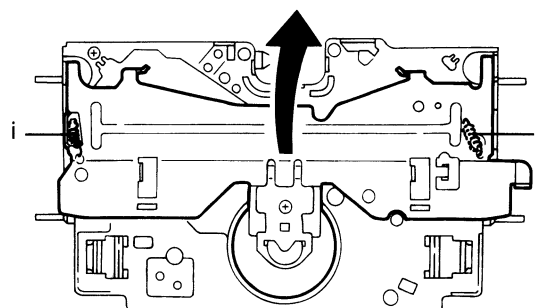


Fig.12

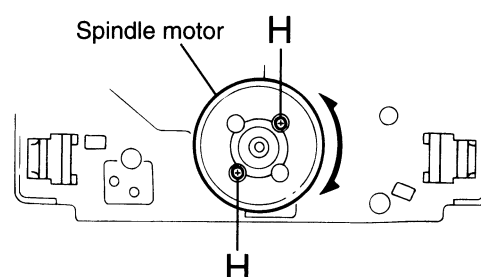


Fig.13

Adjustment method

■ Test instruments required adjustment

1. Digital oscilloscope (100MHz)
2. AM Standard signal generator
3. FM Standard signal generator
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc JVC : CTS-1000
9. Extension cable for check
EXTGS004-26P

■ Standard volume position

Balance and Bass & Treble volume : Indication "0"
Loudness : OFF

■ Frequency Band

FM 1 – 3 87.5MHz – 108.0MHz
MW 522kHz – 1620kHz
LW 144kHz – 279kHz

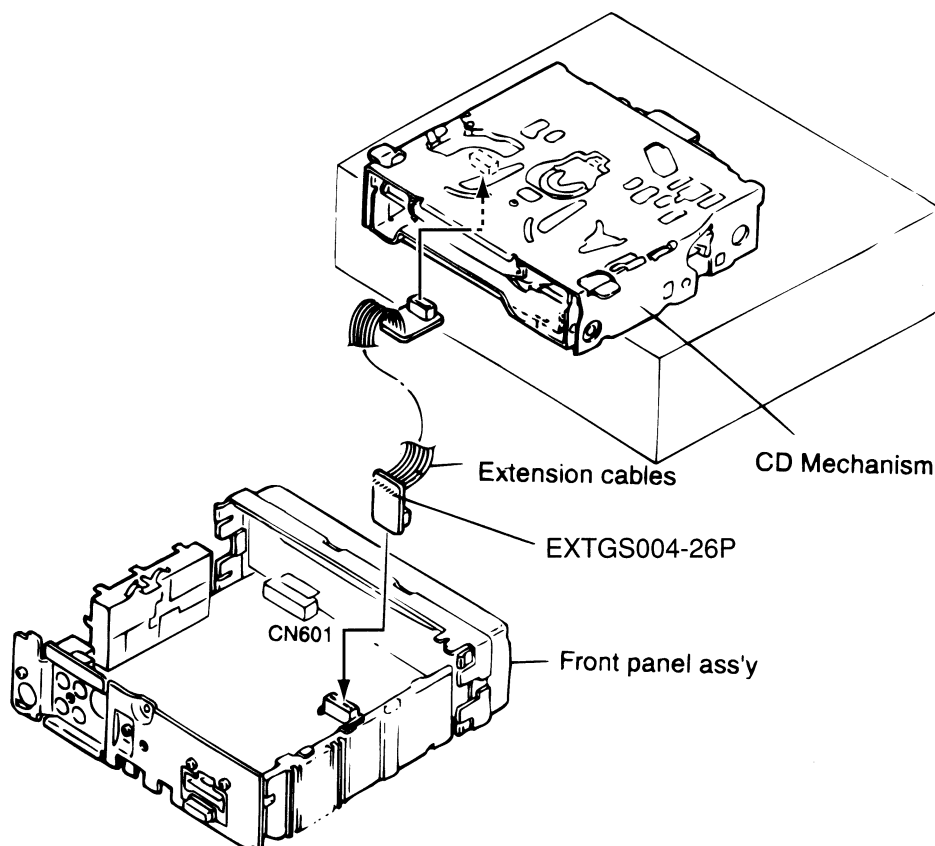
■ Dummy load

Exclusive dummy load should be used for AM, and FM.
For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

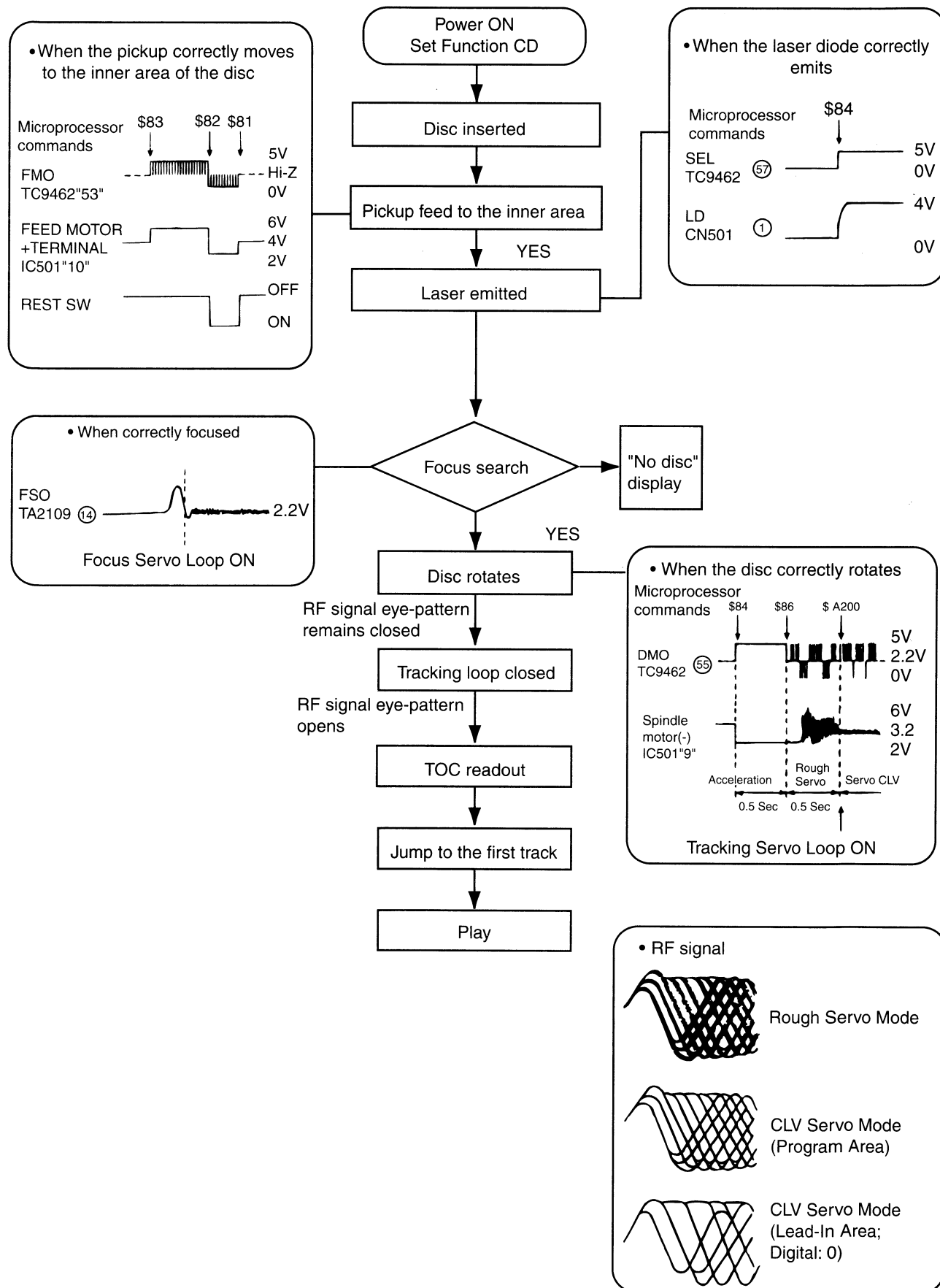
■ Standard measuring conditions

Power supply voltage DC14.4V(10.5 – 16V)
Load impedance 20Kohm(2 Speakers connection)
Output level Line out (Vol. MAX)

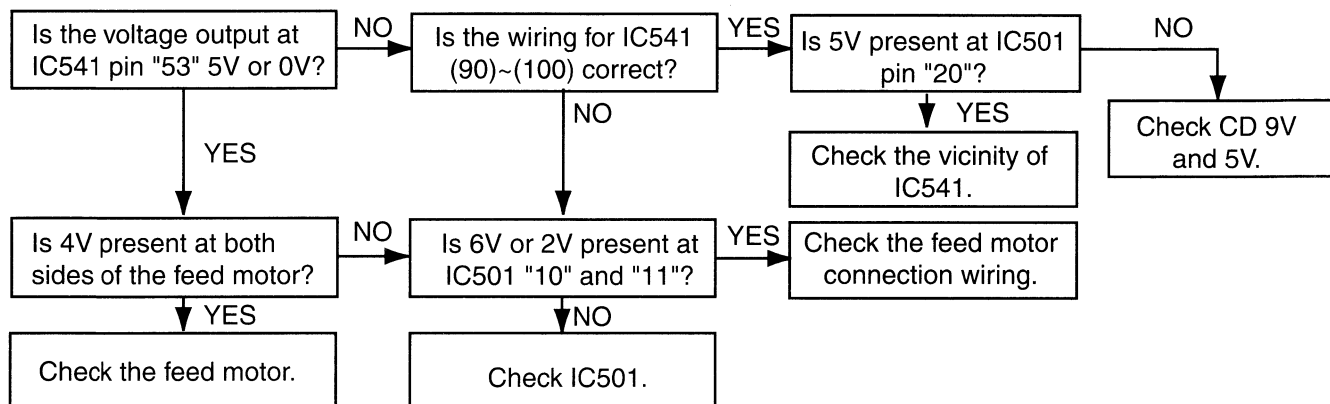
■ How to connect the extension cable for adjusting



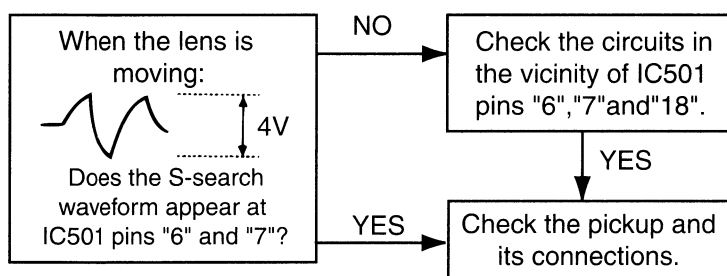
Flow of Functional Operation Unit TOC Read



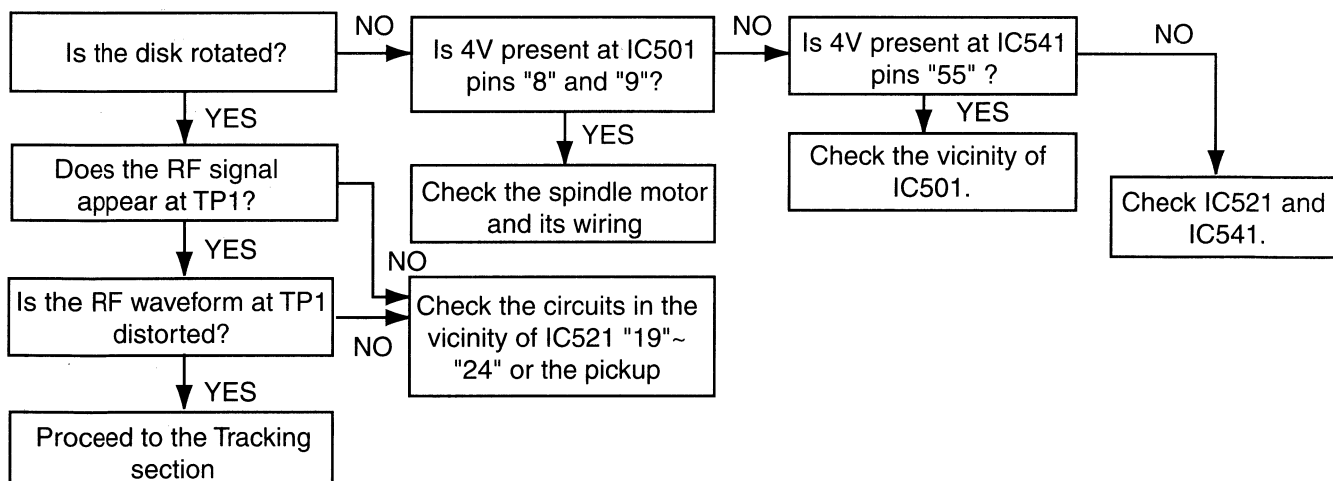
■ Feed section



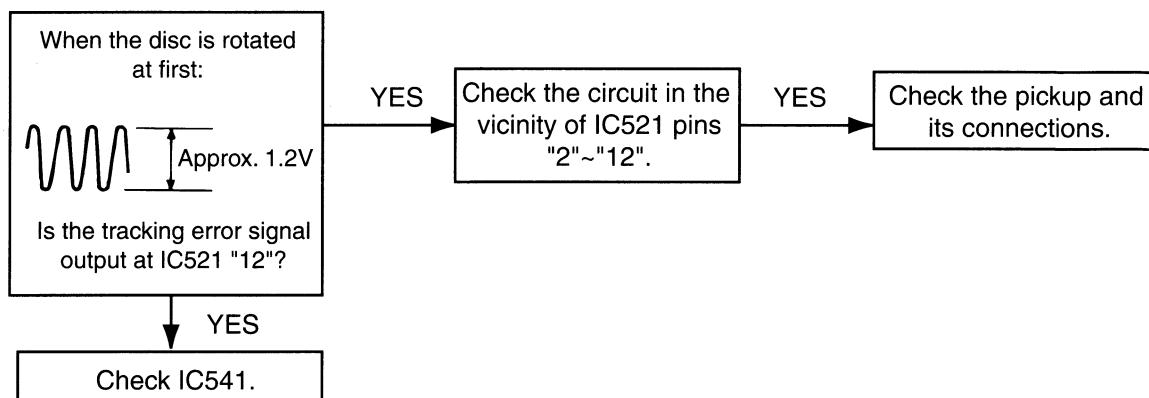
■ Focus section



■ Spindle section



■ Tracking section



Maintenance of laser pickup

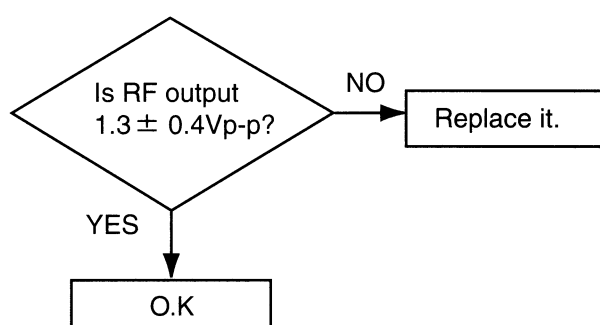
(1) Cleaning the pick up lens

Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode

When the life of the laser diode has expired, the following symptoms will appear.

- (1) The level of RF output (EFM output: amplitude of eye pattern) will be low.



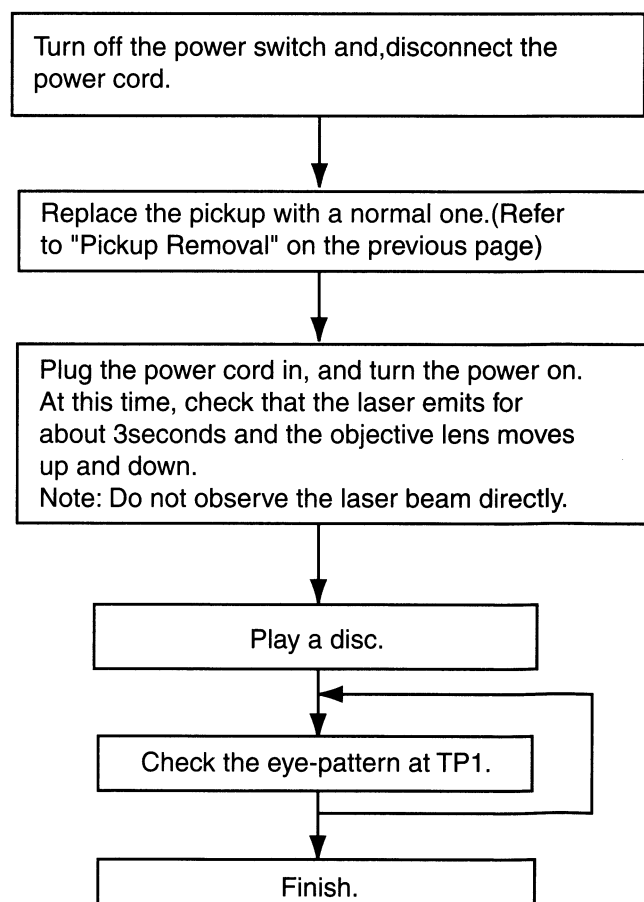
(3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.

If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

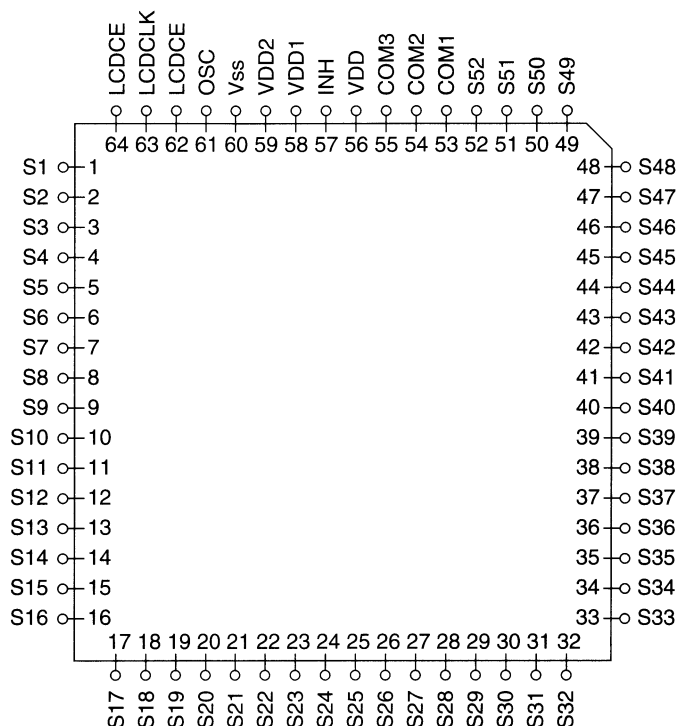
Replacement of laser pickup



Description of major ICs

■ LC75823E (IC691) : LCD Driver

1. Pin Layout & Symbol

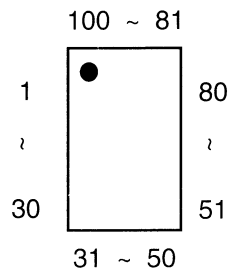


2. Pin Function

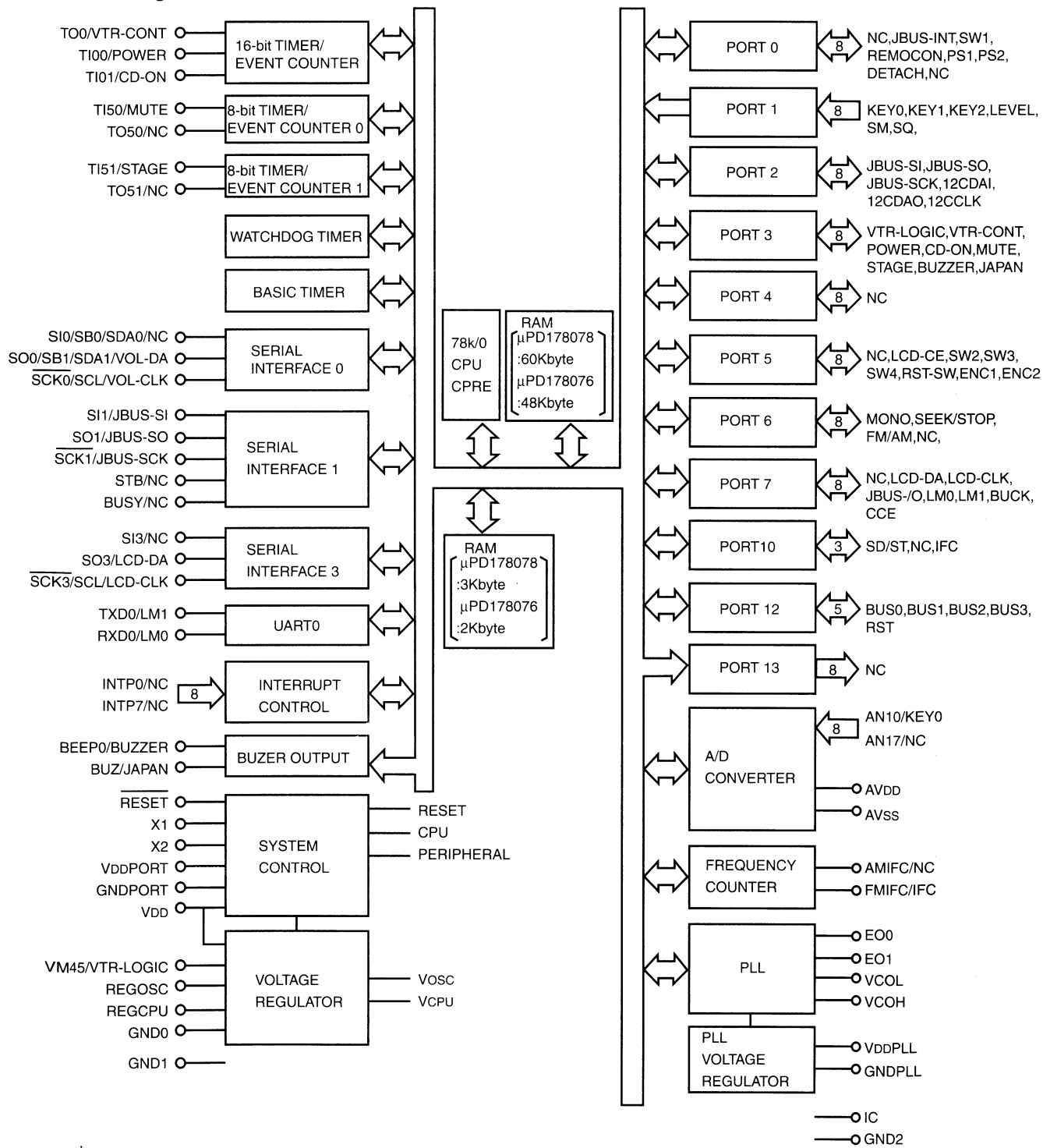
| Pin No. | Symbol | I/O | Function |
|----------|-------------------------|-----|--|
| 1 to 52 | S1 to S52 | O | Segment output pins used to display data transferred by serial data input. |
| 53 to 55 | COM1 to COM3 | O | Common driver output pins. The frame frequency is given by : $t_0 = (f_{osc}/384)\text{Hz}$. |
| 56 | VDD | -- | Power supply connection. Provide a voltage of between 4.5 and 6.0V. |
| 57 | $\overline{\text{INH}}$ | I | Display turning off input pin. $\overline{\text{INT}} = \text{"L"} (V_{ss})$ ----- off (S1 to S52, COM1 to COM3 = "L") $\overline{\text{INT}} = \text{"H"} (V_{DD})$ ----- on Serial data can be transferred in display off mode. |
| 58 | VDD1 | I | Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme is used. |
| 59 | VDD2 | I | Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme is used. |
| 60 | Vss | -- | Power supply connection. Connect to GND. |
| 61 | OSC | I/O | Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor at this pin. |
| 62 | LCDCE | I | Serial data interface connection to the controller. CE : Chip enable |
| 63 | LCDCLK | | CLK : Sync clock |
| 64 | LCDDI | | DI : Transfer data |

■ UPD178076GF (IC701) : System CPU

1.Terminal layout



2.Block diagram



3.Pin function

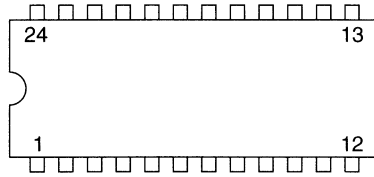
UPD178076GF(1/2)

| Pin NO. | Symbol | I/O | FUNCTION |
|---------|----------|-----|--------------------------------|
| 1 | NC | - | Non connection |
| 2 | JBUS-INT | I | JVC BUS COMMUNICATION LINE |
| 3 | JBUS-SI | I | JVC BUS COMMUNICATION LINE |
| 4 | JBUS-SO | O | JVC BUS COMMUNICATION LINE |
| 5 | JBUS-SCK | O | JVC BUS COMMUNICATION LINE |
| 6 | NC | - | Non connection |
| 7 | NC | - | Non connection |
| 8 | VOL-DAI | I | VOL IC Communication line |
| 9 | VOL-DAO | O | VOL IC Communication line |
| 10 | VOL-CLK | O | VOL IC Communication line |
| 11 | NC | - | Non connection |
| 12 | LCD-DA | O | LCD DRIVER COMMUNICATION LINE |
| 13 | LCD-SCK | O | LCD DRIVER COMMUNICATION LINE |
| 14 | JBUS-I/O | O | JVC BUS OUTPUT SELECT |
| 15 | NC | - | Non connection |
| 16 | LCD-CE | O | LCD DRIVER COMMUNICATION LINE |
| 17 | SW2 | I | CD MECHA SW |
| 18 | SW3 | I | CD MECHA SW |
| 19 | SW4 | I | CD MECHA SW |
| 20 | RST-SW | I | TRAVERSE MECHA REST SW |
| 21 | ENC1 | I | ENCORDER INPUT |
| 22 | ENC2 | I | ENCORDER INPUT |
| 23 | KEY0 | I | KEY INPUT |
| 24 | KEY1 | I | KEY INPUT |
| 25 | KEY2 | I | KEY INPUT |
| 26 | LEVEL | I | AUDIO LEVEL INPUT |
| 27 | AVDD | - | - |
| 28 | SM | I | SIGNAL LEVEL METER INPUT |
| 29 | SQ | - | SQ Level input |
| 30 | NC | - | Pull down |
| 31 | NC | - | Pull down |
| 32 | AVSS | - | - |
| 33 | REGCPU | - | - |
| 34 | VDD | - | - |
| 35 | REGOSC | - | - |
| 36 | X2 | - | SYSTEM CLOCK |
| 37 | X1 | I | SYSTEM CLOCK |
| 38 | GND0 | - | - |
| 39 | SD/ST | I | STATION DETECTOR & STEREO IND. |
| 40 | GND2 | - | - |
| 41 | NC | - | Non connection |
| 42 | IFC | I | IF COUNT INPUT |
| 43 | VDDPLL | - | - |
| 44 | OSC | I | FM,AM OSC INPUT |
| 45 | NC | - | Non connection |
| 46 | GNDPLL | - | - |
| 47 | AME0 | O | PLL ERROR OUTPUT FOR AM |
| 48 | FME0 | O | PLL ERROR OUTPUT FOR FM |
| 49 | IC | - | - |
| 50 | RESET | I | SYSTEM RESET |

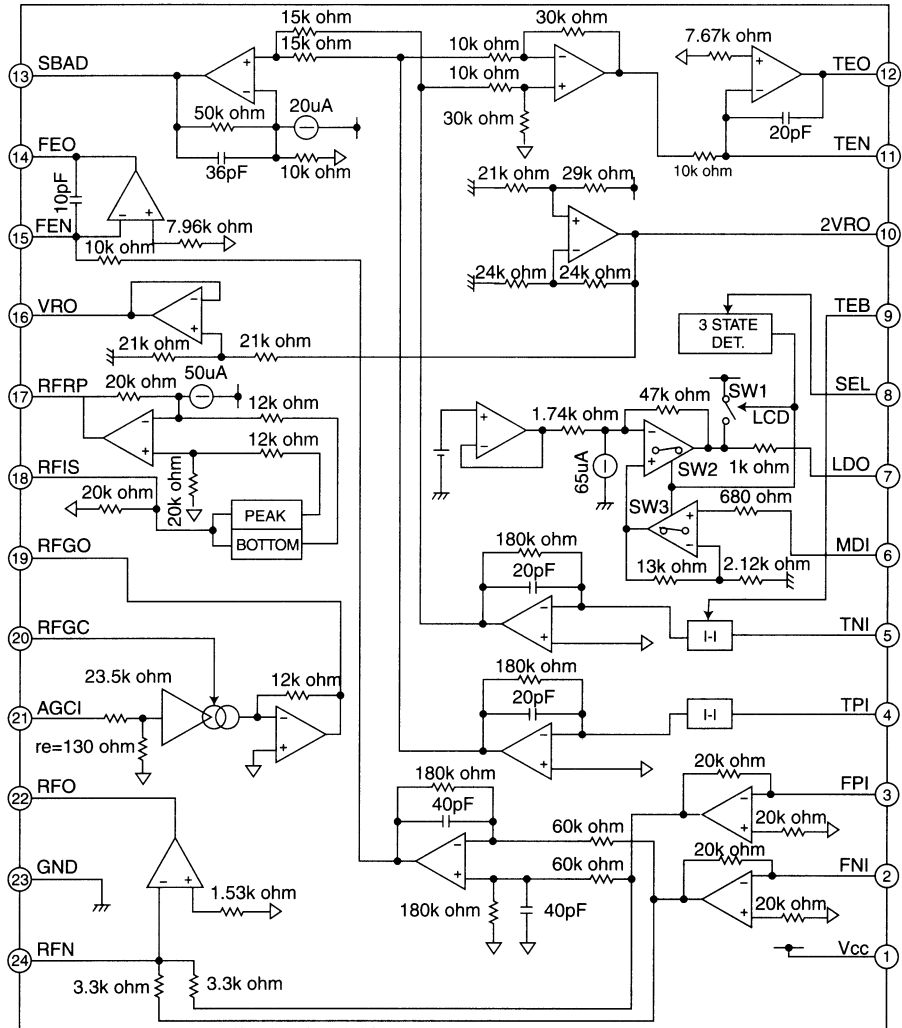
| Pin NO. | Symbol | I/O | FUNCTION |
|---------|-------------|-----|---------------------------|
| 51 | SW1 | I | CD MECHA SW |
| 52 | REMOCON | I | REMOCON INPUT |
| 53 | NC | I | Non connection |
| 54 | TEL-MUTING | O | TEL MUTING DETECT INPUT |
| 55 | POWER | O | POWER CONT. |
| 56 | CD-ON | O | CD POWER CONT. |
| 57 | MUTE | O | MUTE CONT |
| 58 | STAGE 1 | I | SW FOR SX878 AND S777 |
| 59 | BUZZER | I | SW FOR USA AND Japan |
| 60 | STAGE 2 | I | PULL DOWN |
| 61 | NC | - | Non connection |
| 62 | NC | - | Non connection |
| 63 | NC | - | Non connection |
| 64 | NC | - | Non connection |
| 65 | NC | - | Non connection |
| 66 | NC | - | Non connection |
| 67 | NC | - | Non connection |
| 68 | NC | - | Non connection |
| 69 | LM0 | O | CD MECHA DRIVER CONT. |
| 70 | LM1 | O | CD MECHA DRIVER CONT. |
| 71 | BUCK | O | CD LSI COMMUNICATION LINE |
| 72 | CCE | O | CD LSI COMMUNICATION LINE |
| 73 | BUS0 | I/O | CD LSI COMMUNICATION LINE |
| 74 | BUS1 | I/O | CD LSI COMMUNICATION LINE |
| 75 | BUS2 | I/O | CD LSI COMMUNICATION LINE |
| 76 | BUS3 | I/O | CD LSI COMMUNICATION LINE |
| 77 | RST | O | CD LSI COMMUNICATION LINE |
| 78 | PS1 | I | ACC DETECTION INPUT |
| 79 | PS2 | I | MEMORY DETECTION |
| 80 | DETACH | I | DETACH DETECTION |
| 81 | RDSSCK | I | RDS CLK INPUT |
| 82 | GND1 | - | MONO BY FORCE |
| 83 | MONO | O | MONO BY FORCE |
| 84 | SEEK/STP | O | SWITCHING SEEK & STOP |
| 85 | FM/AM | O | BAND SW |
| 86 | AFCK | - | AF CHECK OUTPUT |
| 87 | RDS DATA | - | RDS DATA INPUT |
| 88 | PLL MONITOR | - | PLL LOCK OUTPUT |
| 89 | NC | - | Non connection |
| 90 | NC | - | Non connection |
| 91 | NC | - | Non connection |
| 92 | NC | - | Non connection |
| 93 | NC | - | Non connection |
| 94 | NC | - | Non connection |
| 95 | NC | - | Non connection |
| 96 | NC | - | Non connection |
| 97 | NC | - | Non connection |
| 98 | NC | - | Non connection |
| 99 | VDDPORT | - | D-VDD |
| 100 | GNDPORT | - | D-GND |

■ TA2109F-X (IC521) : RF amp.

1. Pin layout



2. Block diagram

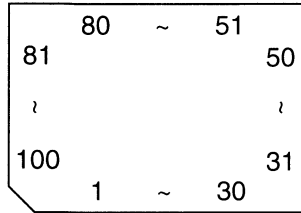


3. Pin function

| Pin No. | Symbol | I/O | Pin function | Pin No. | Symbol | I/O | Pin function |
|---------|--------|-----|---|---------|--------|-----|---|
| 1 | Vcc | - | Power supply input terminal | 13 | SBAD | O | Sub beam adder signal output terminal |
| 2 | FNI | I | Main beam I-V amp input terminal | 14 | FEO | O | Focus error signal output terminal |
| 3 | FPI | I | Main beam I-V amp input terminal | 15 | FEN | I | FE amp negative input terminal |
| 4 | TPI | I | Sub beam I-v input terminal | 16 | VRO | O | Reference voltage (VREF) output terminal |
| 5 | TNI | I | Sub beam I-V input terminal | 17 | RFRP | O | Track count signal output terminal |
| 6 | MDI | I | Monitor photo diode amp input terminal | 18 | RFIS | I | RFRP detect circuit input terminal |
| 7 | LDO | O | Laser diode amp output terminal | 19 | RFGO | O | RF gain signal output terminal |
| 8 | SEL | I | Laser diode control signal input terminal | 20 | RFGC | I | RF amplitude adj. control signal input terminal |
| 9 | TEB | I | T. error balance adj. signal input terminal | 21 | AGCI | I | RF signal amplitude adj. amp input terminal |
| 10 | 2VRO | O | Reference voltage output terminal | 22 | RFO | O | RF signal output terminal |
| 11 | TEN | I | TE amp negative input terminal | 23 | GND | - | Ground terminal |
| 12 | TEO | O | TE error signal output terminal | 24 | RFN | I | RF amp negative input terminal |

■ TC9462F (IC541) : DSP & DAC

1.Pin Layout



2.Pin Function (1/2)

| Pin No. | Symbol | I/O | Function |
|---------|--------|-----|---|
| 1 | TEST0 | - | Non connection |
| 2 | HSO | - | Non connection |
| 3 | UHSO | - | Non connection |
| 4 | EMPH | - | Non connection |
| 5 | LRCK | - | Non connection |
| 6 | Vss | - | Digital GND terminal |
| 7 | BCK | - | Non connection |
| 8 | AOUT | - | Non connection |
| 9 | DOUT | - | Non connection |
| 10 | MBOV | - | Non connection |
| 11 | IPF | - | Non connection |
| 12 | SBOK | - | Non connection |
| 13 | CLCK | - | Non connection |
| 14 | VDD | - | Digital power supply voltage terminal |
| 15 | VSS | - | Digital GND terminal |
| 16 | DATA | - | Non connection |
| 17 | SFSY | - | Non connection |
| 18 | SBSY | - | Non connection |
| 19 | SPCK | - | Non connection |
| 20 | SPDA | - | Non connection |
| 21 | COFS | - | Non connection |
| 22 | MONIT | - | Non connection |
| 23 | VDD | - | Digital power supply voltage terminal |
| 24 | TESIOO | I | Test input/output terminal. Normally, keep at "L" level |
| 25 | P2VREF | - | PLL double reference voltage supply terminal |
| 26 | HSSW | - | Non connection |
| 27 | ZDET | - | Non connection |
| 28 | PDO | O | Phase difference signal output terminal of EFM signal and PLCK signal |
| 29 | TMAXS | O | TMAX detection result output terminal. Selected by command bit (TMPS) |
| 30 | TMAX | O | TMAX detection result output terminal. Selected by command bit (TMPS) |
| 31 | LPFN | I | LPF amplifier inverting input terminal for PLL |
| 32 | LPFO | O | LPF amplifier output terminal for PLL |
| 33 | PVREF | - | PLL reference voltage supply terminal |
| 34 | VCOREF | I | VCO center frequency reference level terminal |
| 35 | VCOF | O | VCO filter terminal |
| 36 | AVss | - | Analog GND terminal |
| 37 | SLCO | O | Data slice level output terminal |
| 38 | RFI | I | RF signal input terminal |
| 39 | AVDD | - | Analog power supply voltage terminal |

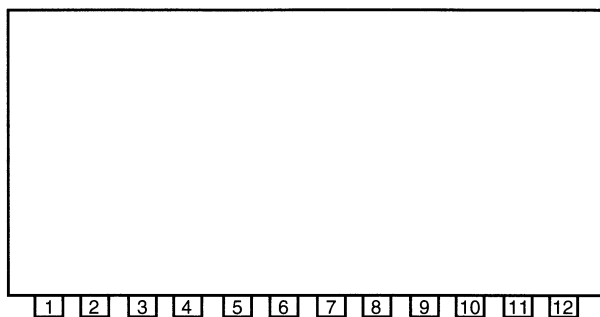
2.Pin Function (2/2)

TC9462F

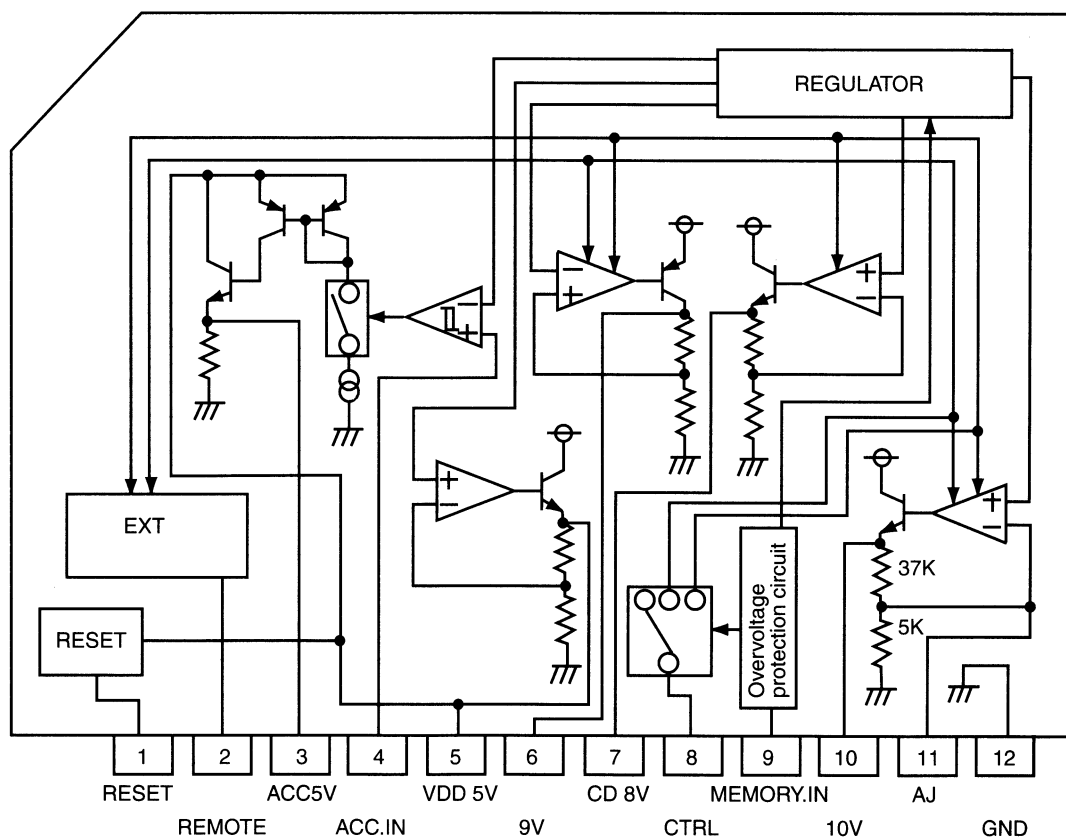
| Pin No. | Symbol | I/O | Function |
|---------|---------|-----|--|
| 40 | RFCT | I | RFRP signal center level input terminal |
| 41 | RFZI | I | RFRP zero cross input terminal |
| 42 | RFRP | I | RF ripple signal input terminal |
| 43 | FEI | I | Focus error signal input terminal |
| 44 | SBAD | I | Sub-beam adder signal input terminal |
| 45 | TSIN | I | Test input terminal Normally, keep at "vref" level |
| 46 | TEI | I | Tracking error signal input terminal. Take in at tracking servo ON. |
| 47 | TEZI | I | Tracking error zero cross input terminal |
| 48 | FOO | O | Focus servo equalizer output terminal |
| 49 | TRO | O | Tracking servo equalizer output terminal |
| 50 | VREF | - | Analog reference voltage supply terminal |
| 51 | RFGC | O | RF amplitude adjustment control signal output terminal |
| 52 | TEBC | O | Tracking balance control signal output terminal |
| 53 | FMO | O | Feed equalizer output terminal |
| 54 | FVO | O | Speed error signal or feed search equalizer output terminal |
| 55 | DMO | O | Disk equalizer output terminal (PWM carrier=88.2kHz for DSP, Synchronize to PXO) |
| 56 | 2VREF | - | Analog double reference voltage supply terminal |
| 57 | SEL | O | APC circuit ON/OFF indication signal output terminal |
| 58~61 | FLGA~D | - | Non connection |
| 62 | VDD | - | Digital power supply voltage terminal |
| 63 | VSS | - | Digital GND terminal |
| 64~67 | IO0~3 | - | Non connection |
| 68 | DMOUT | - | Non connection |
| 69 | CKSE | - | Non connection |
| 70 | DDACT | - | Non connection |
| 71 | TESIN | I | Test input terminal, Normally, keep at "L" level |
| 72 | TESIO1 | I | Test input/output terminal. Normally, keep at "L" level |
| 73 | VSS | - | Digital GND terminal |
| 74 | PXI | I | Crystal oscillator connecting input terminal for DSP |
| 75 | PXO | - | Non connection |
| 76 | VDD | - | Digital power supply voltage terminal |
| 77 | XVSS | - | Oscillator GND terminal for system clock |
| 78 | XI | I | Crystal oscillator connecting input terminal for system clock |
| 79 | XO | O | Crystal oscillator connecting output terminal for system clock |
| 80 | XVDD | - | Oscillator power supply voltage terminal for system clock |
| 81 | DVSR | - | Analog GND terminal for DA converter (Rch) |
| 82 | RO | O | R channel data forward output terminal |
| 83 | DVDD | - | Analog supply voltage terminal for DA converter |
| 84 | DVR | - | Reference voltage terminal for DA converter |
| 85 | LO | O | L channel data forward output terminal |
| 86 | DVSL | - | Analog GND terminal for DA converter (Lch) |
| 87~89 | TEST1~3 | - | Test mode terminal . Normal keep at open |
| 90~93 | BUS0~3 | I/O | Micon interface data input/output terminal |
| 94 | VDD | - | Digital power supply voltage terminal |
| 95 | VSS | - | Digital GND terminal |
| 96 | BUCK | I | Micon interface clock input terminal |
| 97 | CCE | I | Command and data sending/receiving chip enable signal input terminal |
| 98 | TEST4 | I | Test mode terminal. Normal, keep at open |
| 99 | TSMOD | I | Local test mode selection terminal |
| 100 | RST | I | Reset signal input terminal. Reset at "L" level |

■BA4905-V3 (IC961) : Regulator

1.Terminal layout



2.Block daigram



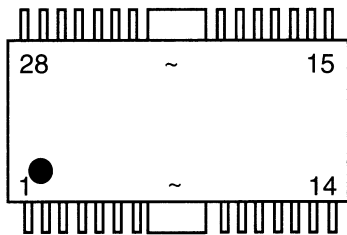
3.Pin function

BA4905-V3

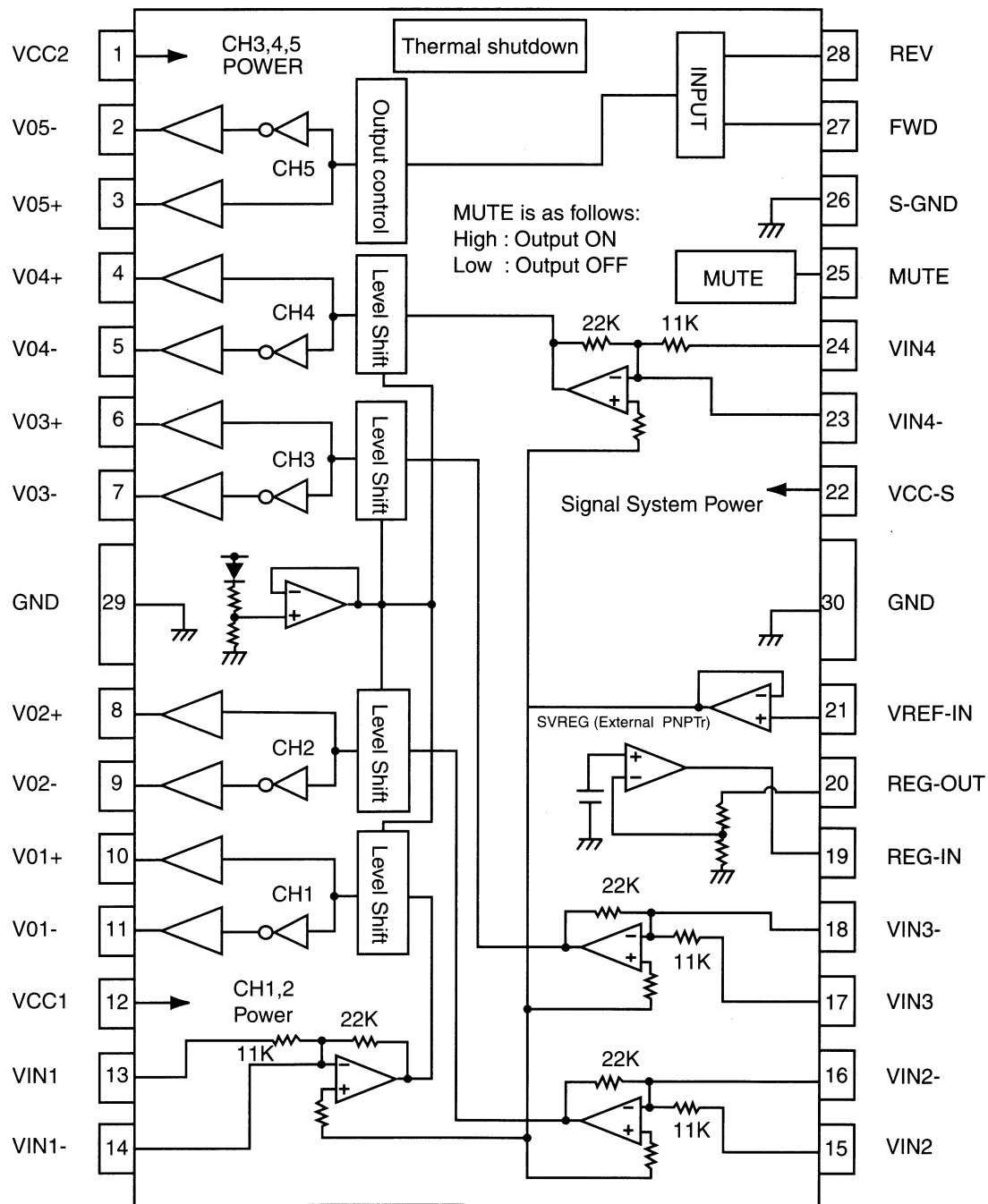
| Pin no. | Symbol | Function |
|---------|-----------|---|
| 1 | RESET | If VDD voltage becomes 4V or less.RESET output becomes low level. |
| 2 | REMOTE | This output voltage is approximately 0.5V lower than VCC. and max output current is 300mA. |
| 3 | ACC5V | A voltage supply for ACC block.This output voltage is approximately 0.7V lower than VDD's. The max output current is 100mA. |
| 4 | ACC.IN | Control of the COMP output by inputting voltage. |
| 5 | VDD 5V | This output voltage is 5.7V, and max output current is 100mA. This voltage supply is for microcomputer. Whenever back up voltage supply is connected, the output keeps on running. |
| 6 | 9V | This output voltage is 9.0v, and max output current is 500mA. This voltage supply for AUDIO. |
| 7 | CD8V | This output voltage is 8.0V, and max output current is 1A. This voltage supply for CD. |
| 8 | CTRL | Output selector of CD. AUDIO, ILM and EXT. |
| 9 | MEMORY.IN | To be connected with the BACK UP of car. |
| 10 | 10V | This output voltage is 10V, and max output current is 500mA. Output voltage is adjustable. |
| 11 | AJ | Non connection |
| 12 | GND | Ground. |

■ LA6557-X (IC501) : BTL Driver

1.Terminal layout



2.Block diagram



3.Pin function

LA6557-X(2/2)

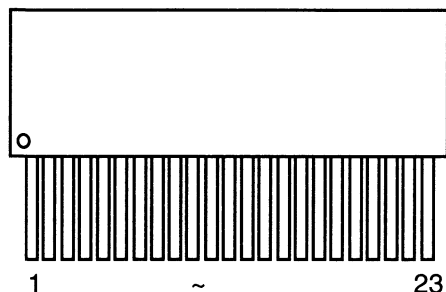
| Pin NO. | Symbol | Function |
|---------|---------|--|
| 1 | VCC2 | Power for channels 3,4, and 5 (VCC1 and VCC-S short-circuited) |
| 2 | V05- | Loading output (-) |
| 3 | V05+ | Loading output (+) |
| 4 | V04+ | Output pin (+) for channel 4 |
| 5 | V04- | Output pin (-) for channel 4 |
| 6 | V03+ | Output pin (+) for channel 3 |
| 7 | V03- | Output pin (-) for channel 3 |
| 8 | V02+ | Output pin (+) for channel 2 |
| 9 | V02- | Output pin (-) for channel 2 |
| 10 | V01+ | Output pin (+) for channel 1 |
| 11 | V01- | Output pin(-) for channel 1 |
| 12 | VCC1 | Power for channels 1 and 2 (BTL), (VCC-S and VCC2 short-circuited) |
| 13 | VIN1 | Non connection |
| 14 | VIN1- | Input pin for channel 1 (for gain control) |
| 15 | VIN2 | Non connection |
| 16 | VIN2- | Input pin for channel 2 (for gain control) |
| 17 | VIN3 | Non connection |
| 18 | VIN3- | Input pin for channel 3 (for gain control) |
| 19 | REG-IN | Regulator pin (External PNP base) |
| 20 | REG-OUT | Regulator pin (External PNP collector) |
| 21 | VREF-IN | Reference voltage input pin |
| 22 | VCC-S | Signal system power (VCC and VCC2 short-circuited) |
| 23 | VIN4- | Input pin for channel 4 (for gain control) |
| 24 | VIN4 | Non connection |
| 25 | MUTE | Output ON/OFF, channels 1 to 4 (BTL AMP) |
| 26 | S-GND | Signal system GND |
| 27 | FWD | 5CH(VL0) Output change pin (FWD), Logic input for loading block |
| 28 | REV | 5CH(VL0) Output change pin (REV), Logic input for loading block |
| 29 | GND | Frame GND |
| 30 | GND | Frame GND |

* The center frame (FR) functions as power system GND. Set this to the minimum potential together with S-GND.

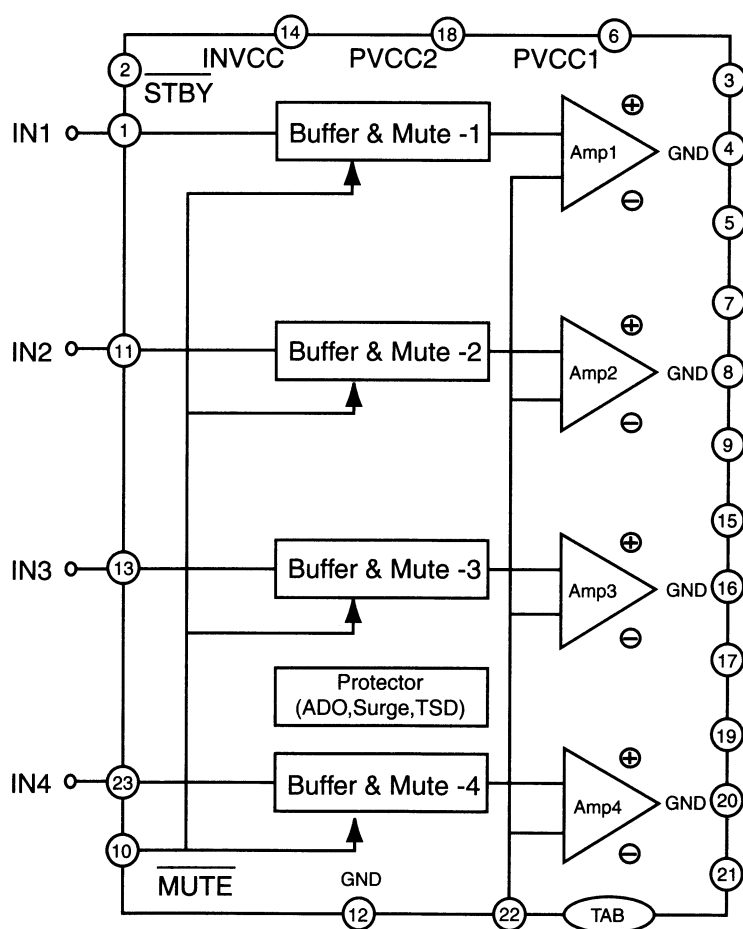
* Short-circuit three pins of power system, VCC-S, VCC1, and VCC2, externally before use.

■ HA13158A (IC301) : Power AMP

1. Terminal layout



2. Block diagram



note1) TAB(header of IC)
connected to GND

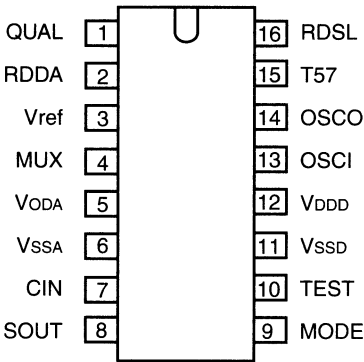
3.Pin Function

HA13158A

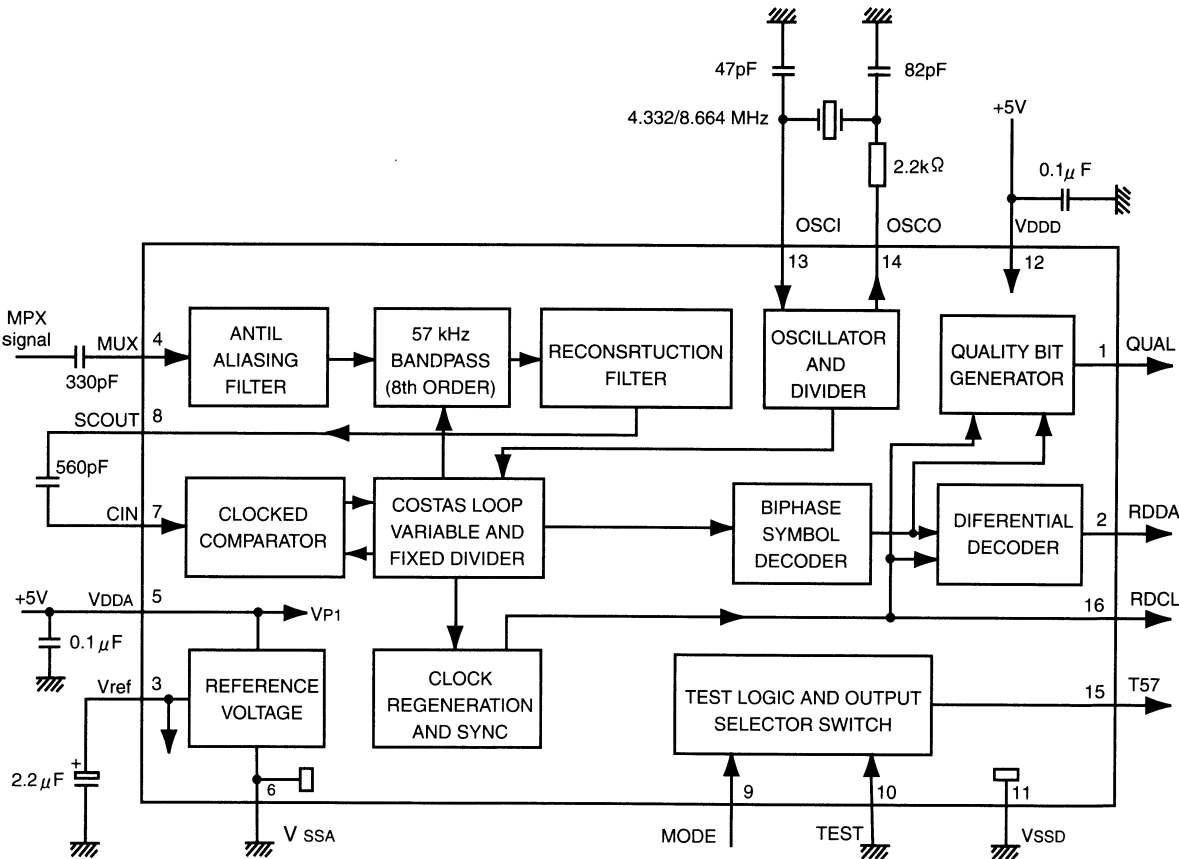
| Pin | Symbol | Function |
|-----|---------|----------------------|
| 1 | INRR | Amp 1 input |
| 2 | STANDBY | Standby input |
| 3 | OUTRR+ | Amp 1 output + |
| 4 | GND | GND |
| 5 | OUTRR- | Amp 1 output- |
| 6 | VCC | Power |
| 7 | OUTFR+ | Amp 2 output + |
| 8 | GND | GND |
| 9 | OUTFR- | Amp 2 output - |
| 10 | MUTEING | Muting control input |
| 11 | INFR | Amp 2 input |
| 12 | GND | GND |
| 13 | INFR | Amp 3 input |
| 14 | VCC | Power |
| 15 | OUTFL+ | Amp 3 output + |
| 16 | GND | GND |
| 17 | OUTFL+ | Amp 3 output - |
| 18 | GND | GND |
| 19 | OUTRL+ | Amp 4 output + |
| 20 | GND | GND |
| 21 | OUTRL- | Amp 4 output - |
| 22 | VREF | Reference voltage |
| 23 | INRL | Amp 4 input |

■ SAA6579T-X (IC71) : RDS Detector

1. Pin layout



2. Block diagram



MEH162

Via the pin MODE two different crystal frequencies can be used:

| MODEL | x-tal clock |
|-------|-------------|
| LOW | 4.332 MHz |
| HIGH | 8.664 MHz |

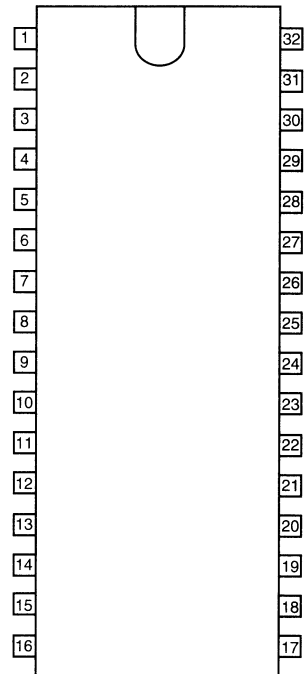
3. Pin function

SAA6579-X

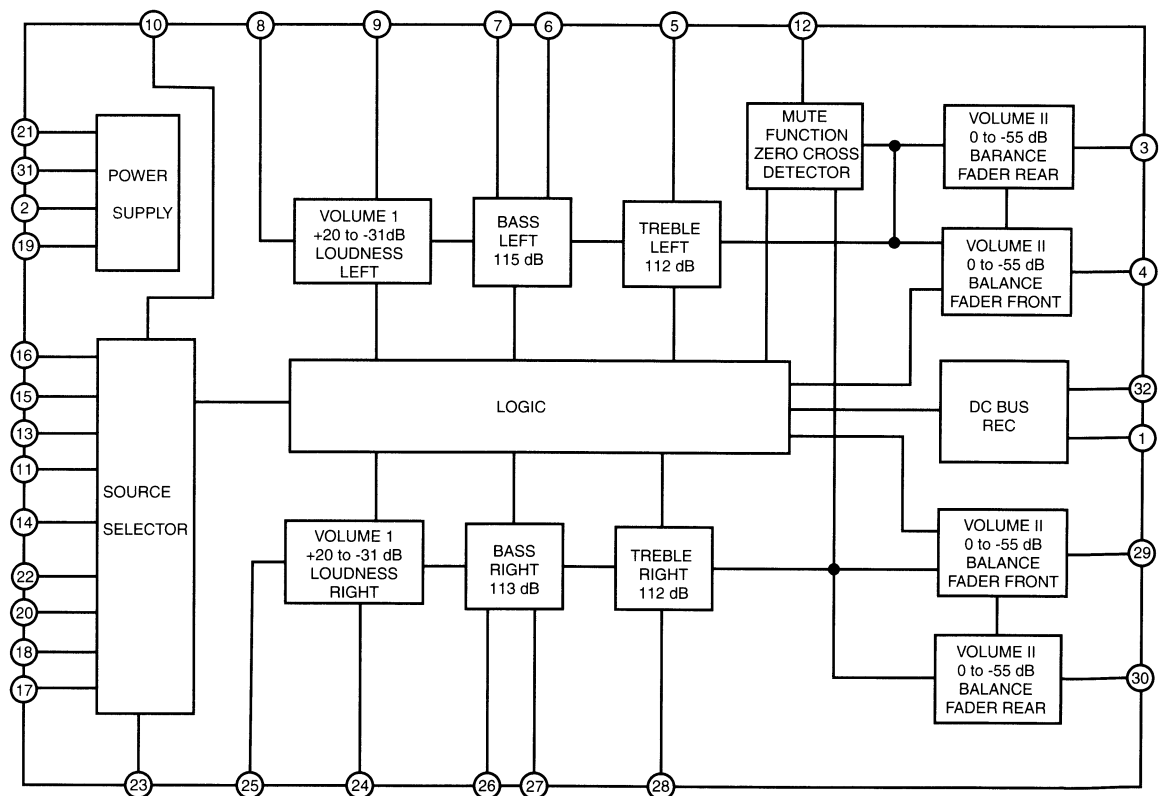
| PIN | SYMBOL | DESCRIPTION |
|-----|--------|---|
| 1 | QUAL | Quality indication output |
| 2 | RDDA | RDS data output |
| 3 | Vref | Reference voltage output (0.5VDDA) |
| 4 | MUX | Multiplex signal input |
| 5 | VDDA | +5V supply voltage for analog part |
| 6 | VSSA | Ground for analog part (0V) |
| 7 | CIN | Sub carrier input to comparator |
| 8 | SCOUT | Sub carrier output of reconstruction filter |
| 9 | MODE | Oscillator mode / test control input |
| 10 | TEST | Test enable input |
| 11 | VSSD | Ground for digital part (0V) |
| 12 | VDDD | +5V supply voltage for digital part |
| 13 | OSCI | Oscillator input |
| 14 | OSCO | Oscillator output |
| 15 | T57 | 57kHz clock signal output |
| 16 | RDCL | RDS clock output |

■ TEA6320T-X (IC161) : E.Volume

1.Terminal layout



2.Block diagram



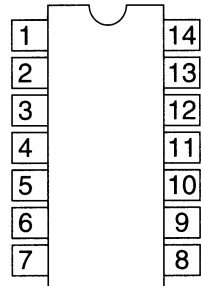
3. Pin function

TEA6320T-X

| Pin No. | Symbol | Description |
|---------|---------|--|
| 1 | SDA | Serial data input / output |
| 2 | GND | Ground |
| 3 | OUTRL | Output left rear |
| 4 | OUTLF | Output left front |
| 5 | TL | Treble control capacitor left channel or input from an external equalizer |
| 6 | B2L | Bass control capacitor left channel or output to an external equalizer |
| 7 | B1L | Bass control capacitor, left channel |
| 8 | IVL | Input volume I, left control part |
| 9 | ILL | Input loudness, left control part |
| 10 | QSL | Output source selector, left channel |
| 11 | NC | Non connection |
| 12 | NC | Non connection |
| 13 | INCDCHL | Changer Lch |
| 14 | IMO | Input mono source |
| 15 | INTUL | Tuner Lch |
| 16 | INCDL | CD Lch |
| 17 | INCDR | CD Rch |
| 18 | INTUR | Tuner Rch |
| 19 | CAP | Electronic filtering for supply |
| 20 | INCDCHR | Changer Rch |
| 21 | VREF | Reference voltage |
| 22 | NC | Output source selector right channel |
| 23 | QSR | Input loudness right channel |
| 24 | ILR | Input volume I, right control part |
| 25 | IVR | Bass control capacitor right channel |
| 26 | B1R | Bass control capacitor right channel or output to an external equalizer |
| 27 | B2R | Treble control capacitor right channel or input from an external equalizer |
| 28 | TR | Output right front |
| 29 | OUTRF | Output right rear |
| 30 | OUTRR | Supply voltage |
| 31 | VCC | Serial clock input |
| 32 | SCL | |

■HD74HC126FP-X (IC801) : Buffer

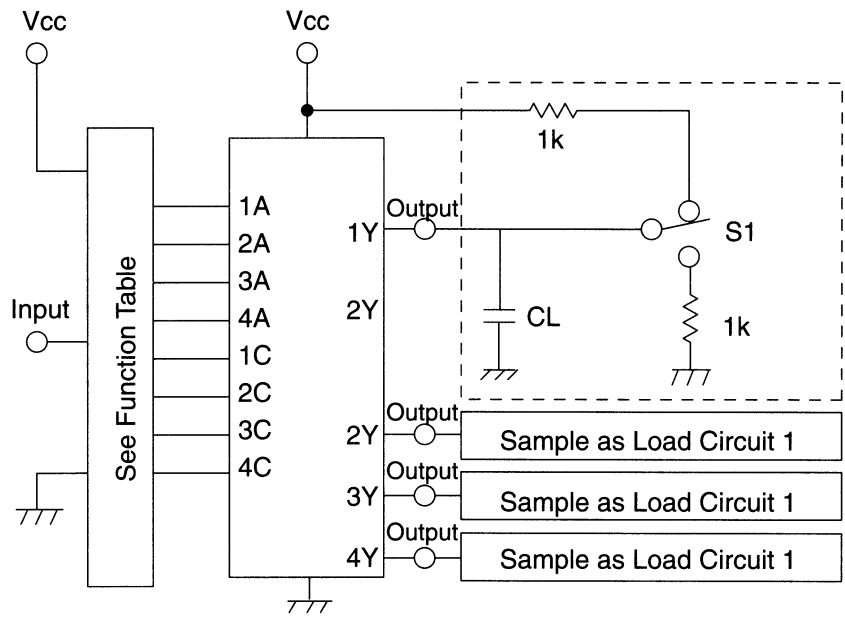
1. Pin layout



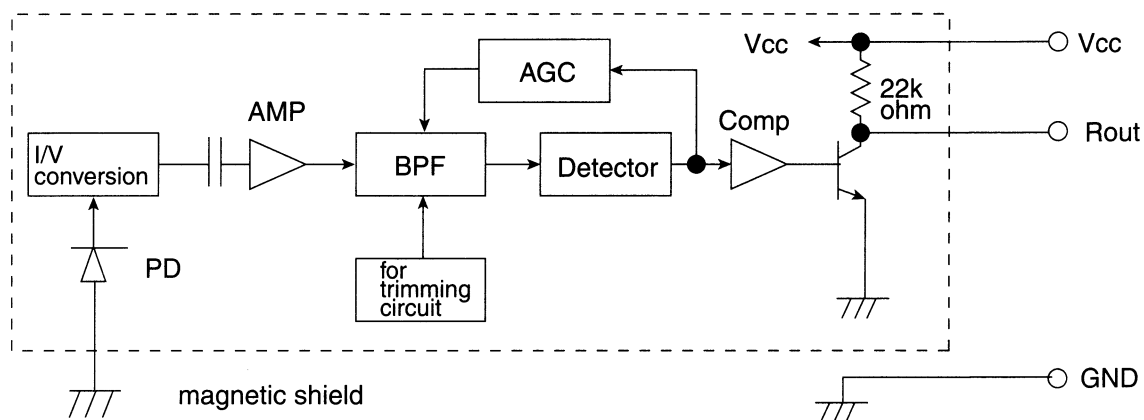
2. Function

| Inputs | | Outputs |
|--------|---|---------|
| C | A | Y |
| L | X | Z |
| H | L | H |
| H | H | L |

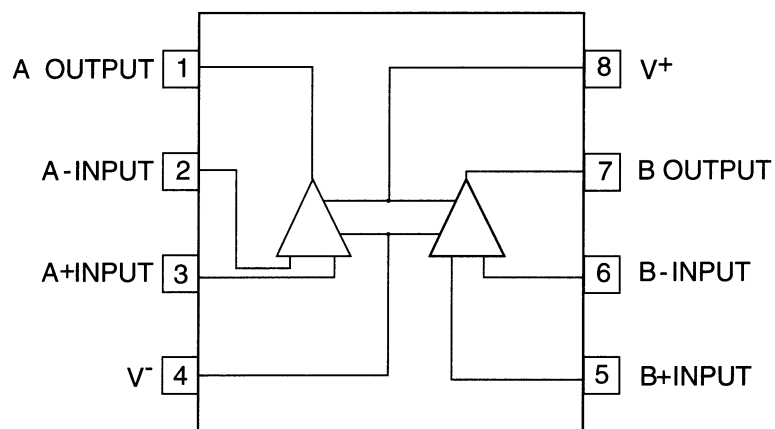
3. Block diagram



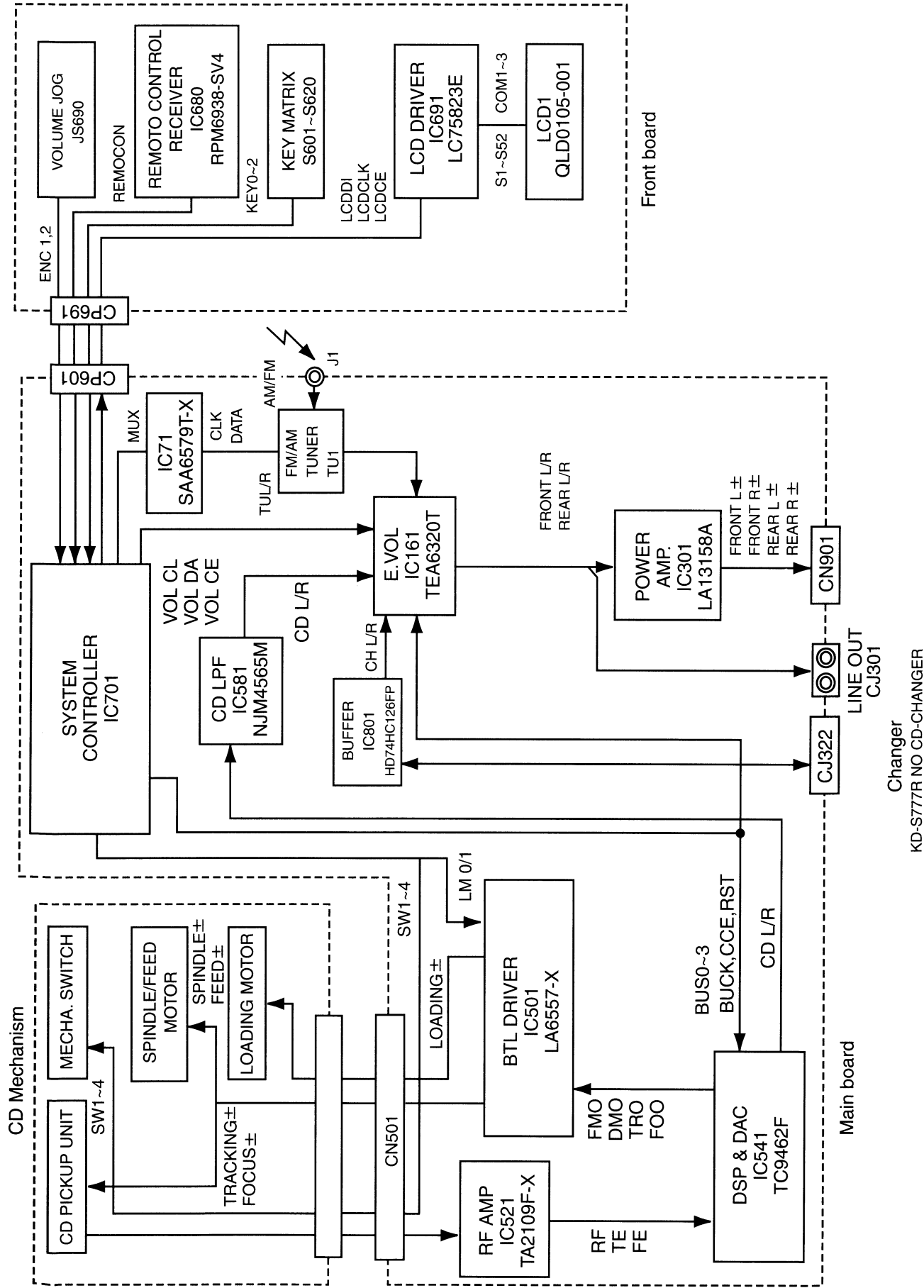
■ RPM6938-SV4 (IC680) : Remote control receiver



■ NJM4565M-WE (IC581) : CD L.P.F.



Block diagram



Changer
KD-S777R NO CD-CHANGER

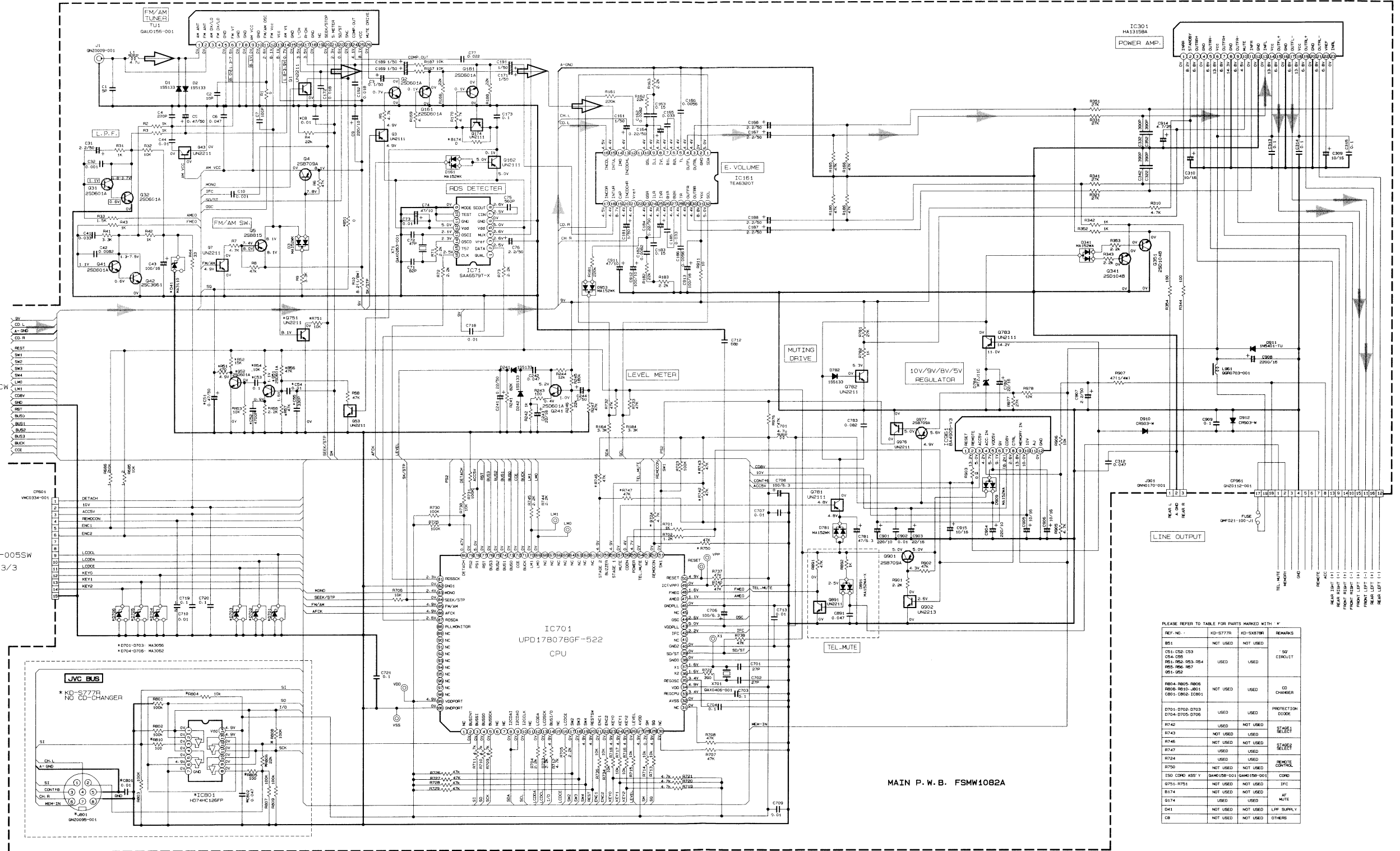
Standard schematic diagrams

Receiver & power amplifier circuit

5
4
3
2
1

TO
FSDH3116-005CW
SHEET 2/3

TO
FSDH3116-005SW
SHEET 3/3



PLEASE REFER TO TABLE FOR PARTS MARKED WITH *

| REF. NO. | KD-S777R | KD-SX878R | REMARKS |
|--------------------|-------------|-------------|------------------|
| B51 | NOT USED | NOT USED | 90 CIRCUIT |
| C51, C52, C53 | USED | USED | |
| C54, C55 | USED | USED | |
| R51, R52, R53, R54 | USED | USED | |
| R55, R56, R57 | USED | USED | |
| Q51, Q52 | USED | USED | |
| R604, R605, R606 | NOT USED | USED | CD CHANGER |
| R608, R610, J601 | NOT USED | USED | |
| C601, C602, C603 | NOT USED | USED | |
| D701, D702, D703 | USED | USED | PROTECTION DIODE |
| D704, D705, D706 | USED | USED | |
| R742 | USED | NOT USED | STANDBY SELECT |
| R743 | NOT USED | USED | |
| R745 | NOT USED | NOT USED | STANDBY SELECT |
| R747 | NOT USED | USED | |
| R748 | USED | USED | REMOTE CONTROL |
| R750 | NOT USED | NOT USED | |
| I30, C300, A30, Y | GAH0150-001 | GAH0150-001 | COMP |
| D751, R751 | NOT USED | NOT USED | IFC |
| R774 | NOT USED | NOT USED | |
| D774 | NOT USED | NOT USED | AF |
| D774 | NOT USED | NOT USED | MUTE |
| D41 | NOT USED | NOT USED | LPM SUPPLY |
| CB | NOT USED | NOT USED | OTHERS |

Note: /s/C/es/3116.001

➡ CD/MAIN SIGNAL
➡ TUNER SIGNAL

A B C D E F G

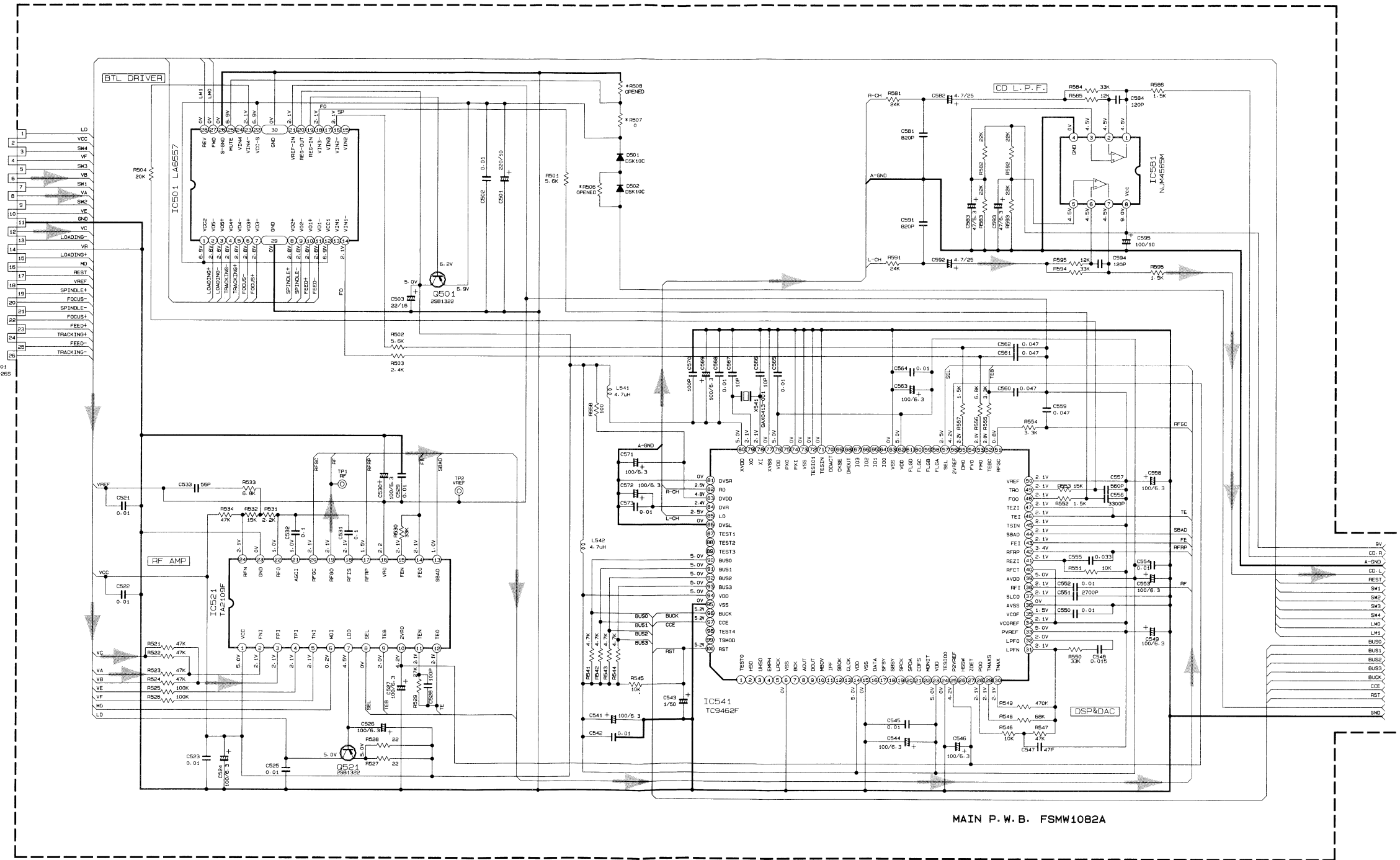
■CD Servo control circuit

TO
CD MECHA
(BDL1089-001M)

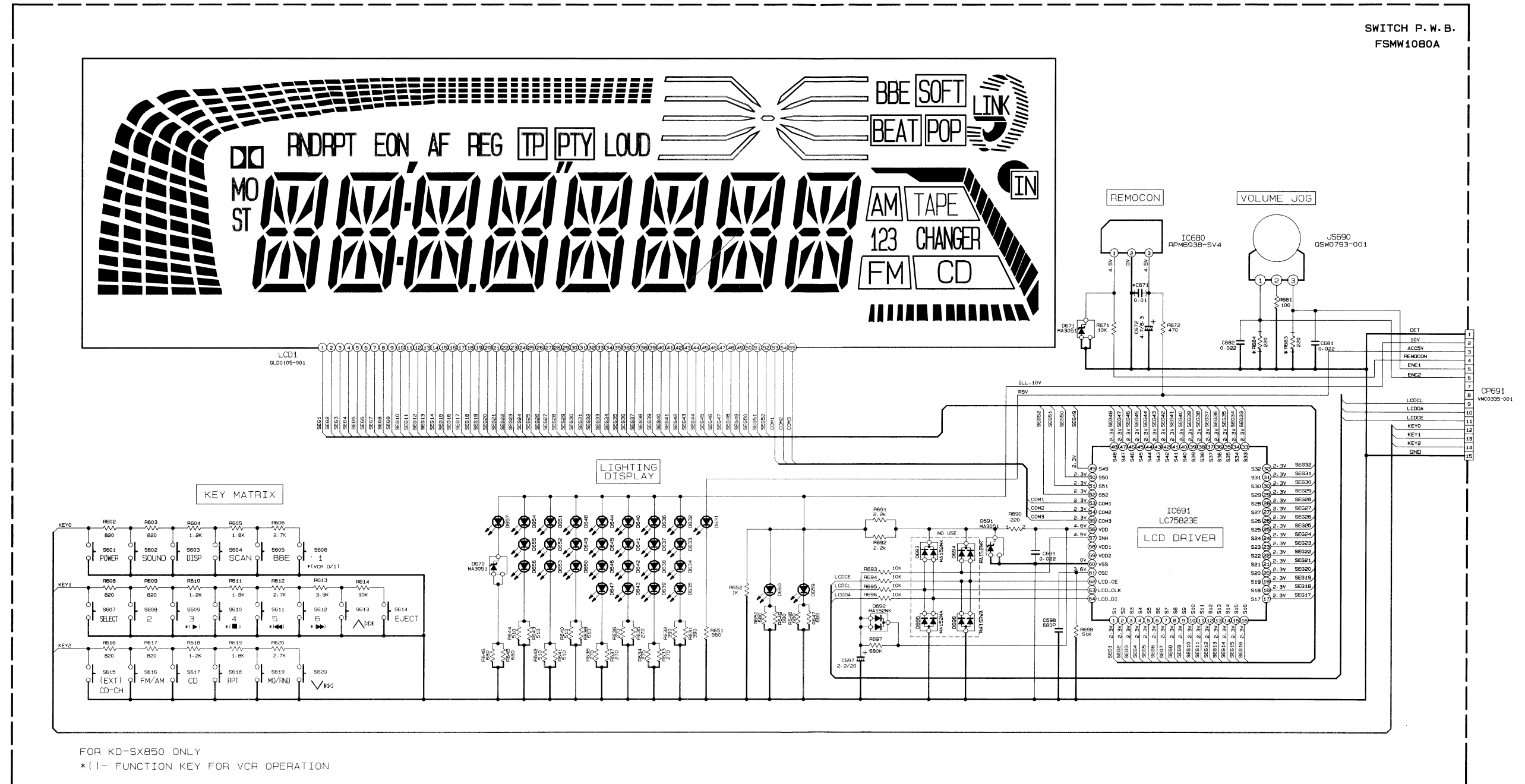
TO
FSDH3116-005TW
SHEET 1/3

Note: /s/C/jes/3116.002

➔ CD/MAIN SIGNAL

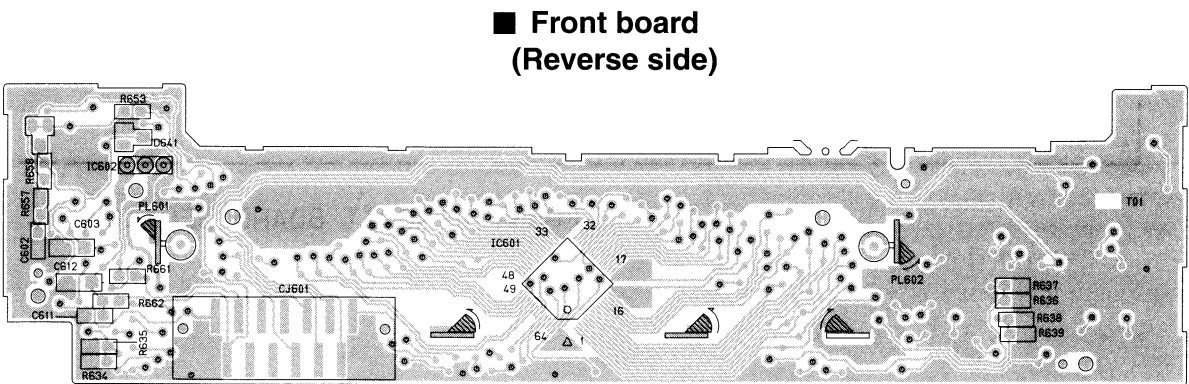
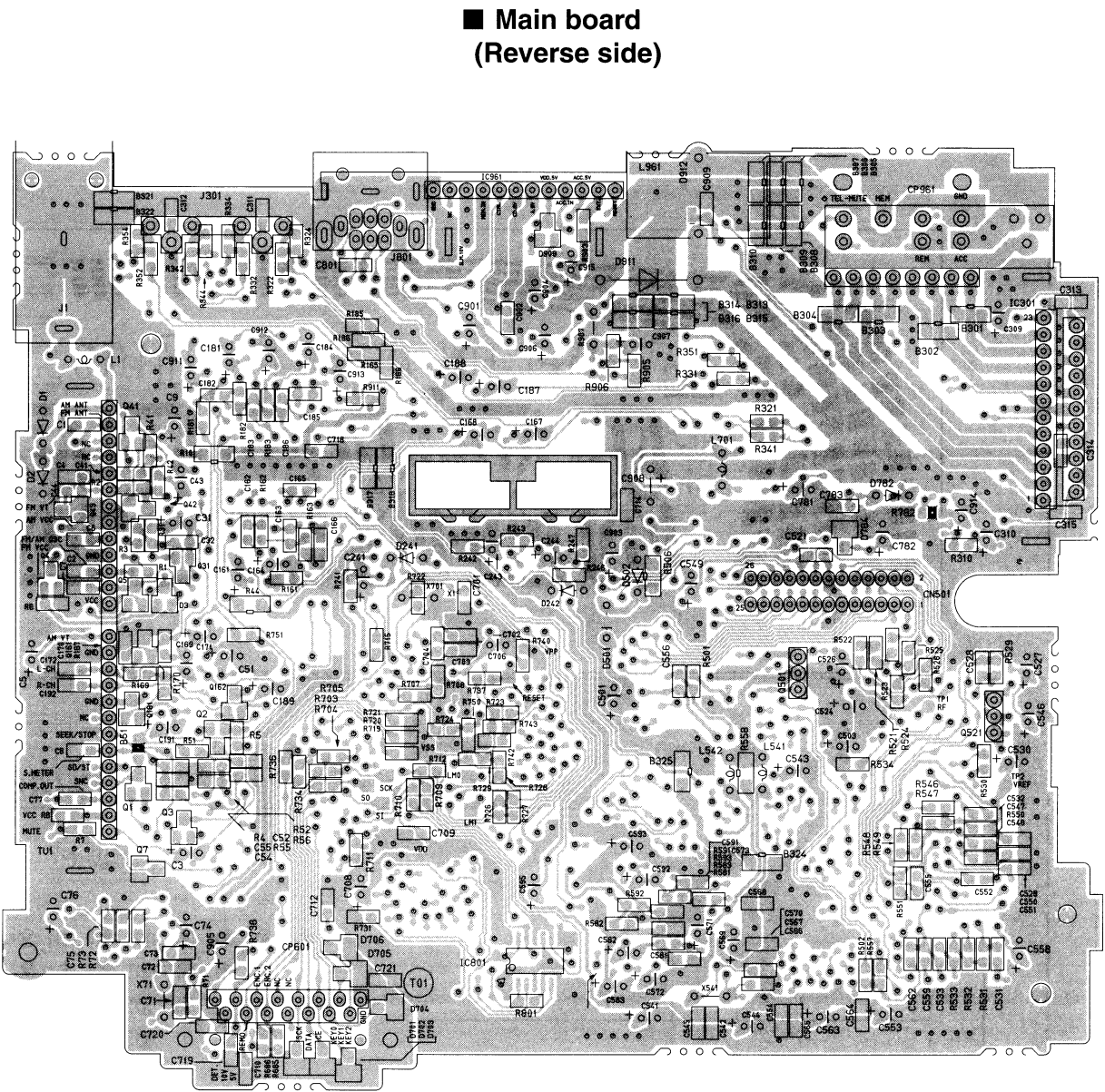
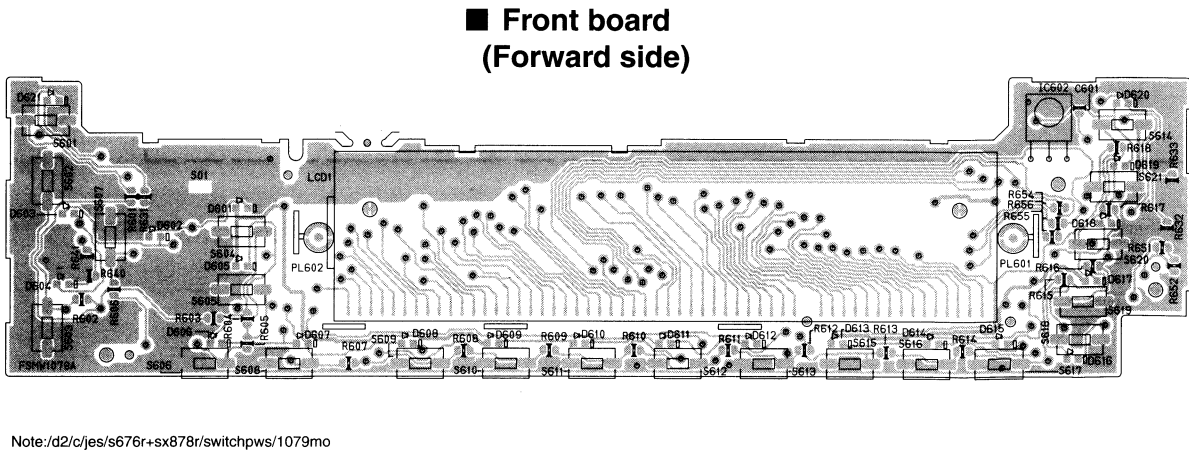
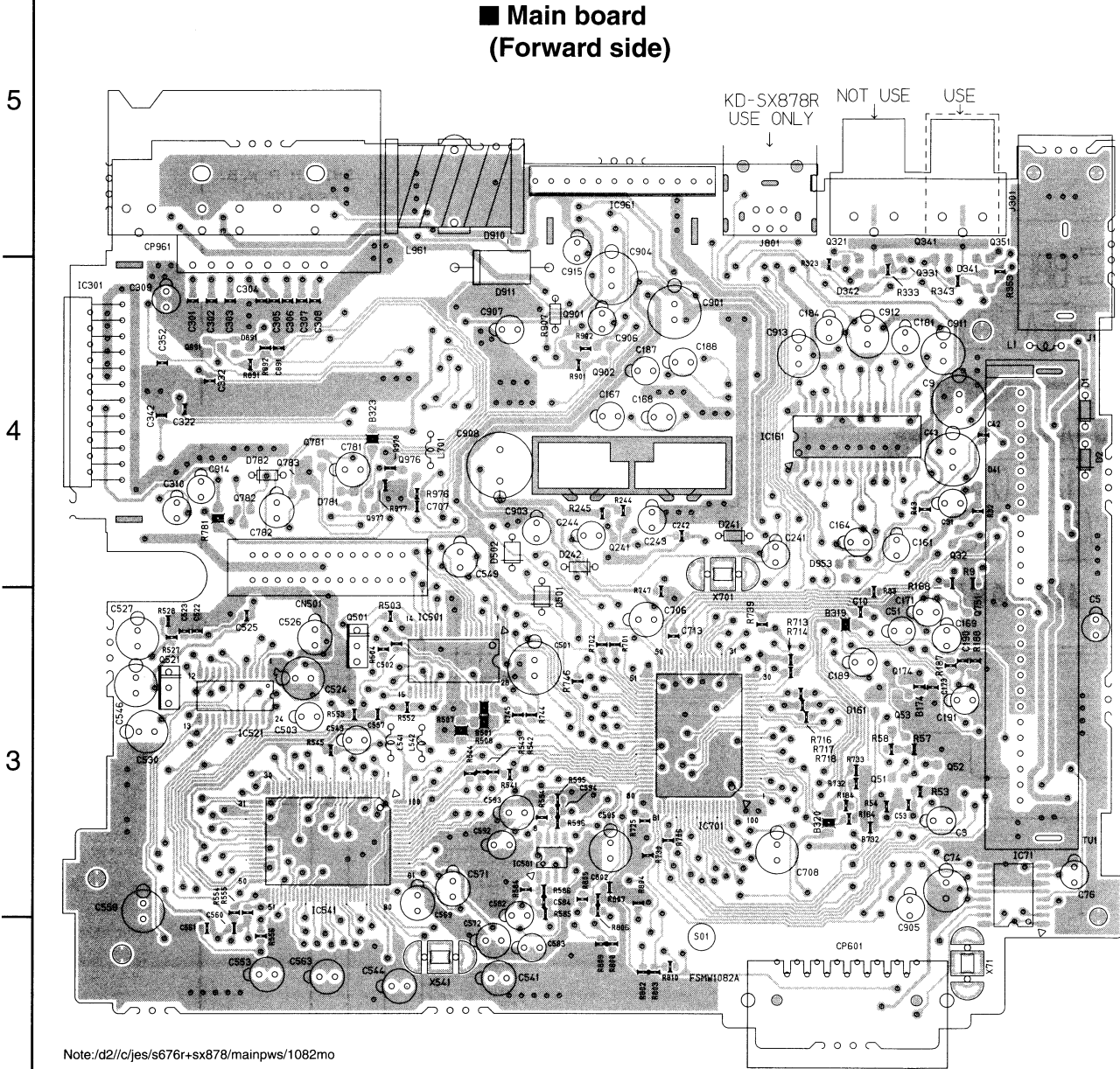


■LCD Driver circuit



Printed circuit boards

KD-SX878R
KD-S777R



PARTS LIST

[KD-SX878R]
[KD-S777R]

* All printed circuit boards and its assemblies are not available as service parts.

Area Suffix
E Continental Europe

- Contents -

Exploded view of general assembly and parts list ----- 3 - 2

CD mechanism assembly and parts list ----- 3 - 4

Electrical parts list ----- 3 - 7

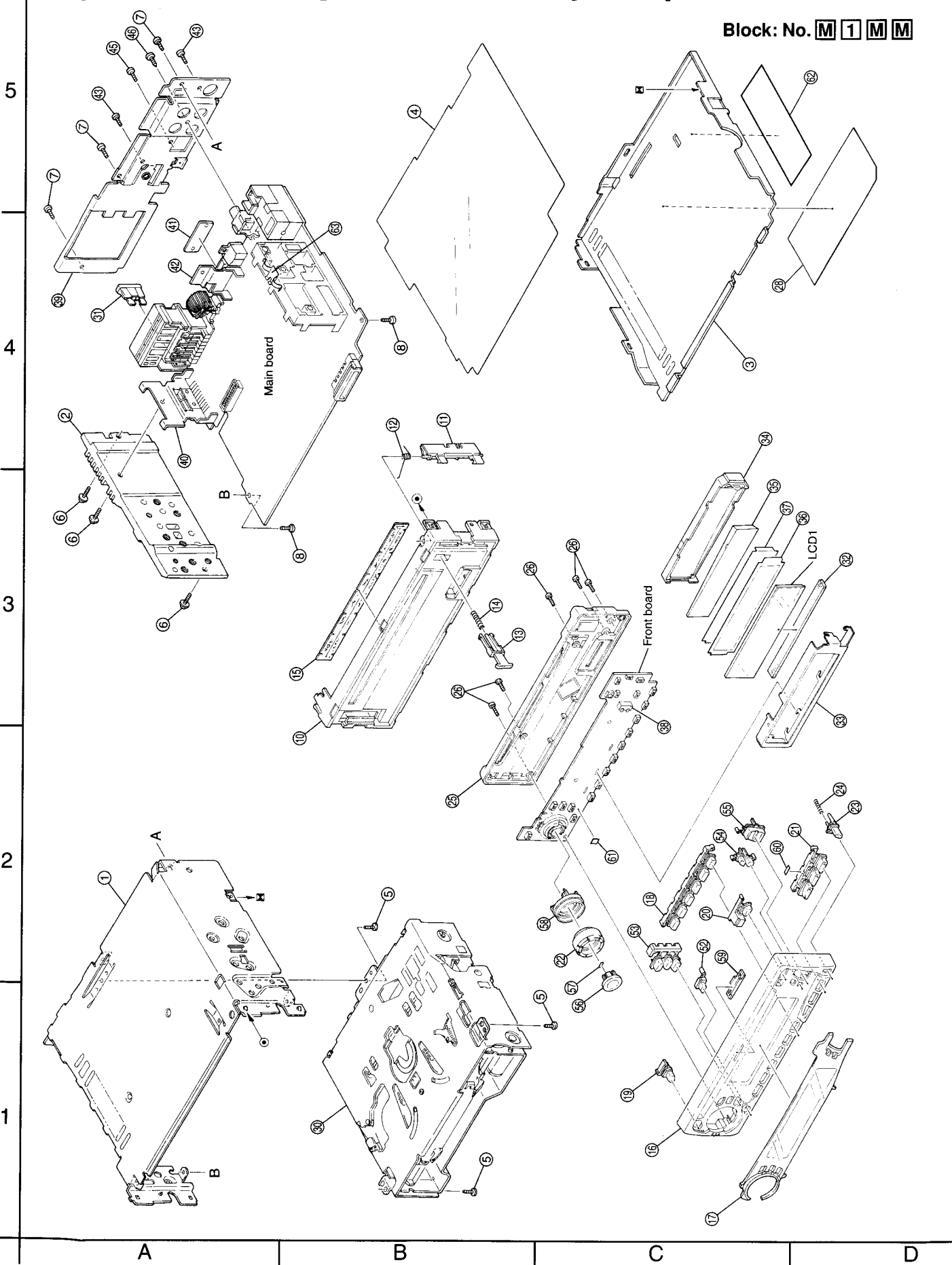
Packing materials and accessories parts list ----- 3 - 12

KD-SX878R

KD-S777R

Exploded view of general assembly and parts list

Block: No. **M** **1** **M** **M**



■ Parts list (General assembly)

Block No. M1MM

| △ | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|-------|----------------|----------------|------|-----------------|------|
| | 1 | FSJC1029-024 | TOP CHASSIS | 1 | | |
| | 2 | FSMH3001-002 | HEAT SINK | 1 | | |
| | 3 | FSKM3011-002 | BOTTOM COVER | 1 | | |
| | 4 | FSMA3004-003 | INSULATOR | 1 | | |
| | 5 | QYSDST2604Z | SCREW | 3 | CHASSIS+MECHA B | |
| | 6 | FSKZ4005-001 | SCREW | 3 | | |
| | 7 | QYSDST2606Z | SCREW | 3 | CHASSIS+REAR BK | |
| | 8 | QYSDST2606Z | SCREW | 2 | CHASSIS+MAIN PW | |
| | 10 | FSJC2013-002 | FRONT CHASSIS | 1 | | |
| | 11 | FSKS3010-001 | LOCK LEVER | 1 | | |
| | 12 | FSKW4005-003 | TORSION SPRING | 1 | FOR LOCK LEVEL | |
| | 13 | FSXP3026-002 | RLS KNOB | 1 | | |
| | 14 | FSKW3002-015 | COMP.SPRING | 1 | | |
| | 15 | FSPK3009-001 | BLIND | 1 | | |
| | 16 | FSJC1048-001 | FRONT PANEL | 1 | | |
| | 17 | FSJD3019-00C | FINDER ASSY | 1 | KD-SX878R | |
| | | FSJD3019-00D | FINDER LENS | 1 | KD-S777R | |
| | 18 | FSXP2045-002 | PRESET BUTTON | 1 | 1-6 | |
| | 19 | FSXP3053-002 | POWER BUTTON | 1 | | |
| | 20 | FSXP3064-001 | EJECT BUTTON | 1 | | |
| | 21 | FSXP2038-002 | FUNCTION CAP | 1 | KD-SX878R | |
| | | FSXP2038-003 | FUNCTION CAP | 1 | KD-S777R | |
| | 22 | FSXK3003-005 | VOL.KNOB | 1 | JOG DIAL | |
| | 23 | FSXP3063-001 | DETACH BUTTON | 1 | | |
| | 24 | FSKW3002-012 | COMP. SPRING | 1 | FOR DETACH BUTT | |
| | 25 | FSJC1049-001 | REAR COVER | 1 | | |
| | 26 | VKZ4777-001 | MINI SCREW | 5 | FRONT+REAR | |
| | 28 | FSYN3117-005 | NAME PLATE | 1 | KD-SX878R | |
| | | FSYN3116-005 | NAME PLATE | 1 | KD-S777R | |
| | 30 | ----- | CD MECHA | 1 | TN-CCD1001Z | |
| | 31 | QMFZ021-100-J1 | FUSE | 1 | | |
| | 32 | QNZ0442-001 | RUBBER CONNE | 1 | | |
| | 33 | FSYH3020-001 | LCD CASE | 1 | | |
| | 34 | FSKS3019-001 | LENS CASE | 1 | | |
| | 35 | FSJK3025-001 | LCD LENS | 1 | WITH SILK SCREE | |
| | 36 | FSYH4074-001 | LIGHTING SHEET | 1 | | |
| | 37 | FSYH4079-001 | LIGHTING SHEET | 1 | | |
| | 38 | FSKS3016-002 | LED HOLDER | 1 | | |
| | 39 | FSKM3012-012 | REAR BRACKET | 1 | KD-S777R | |
| | | FSKM3012-011 | REAR BRACKET | 1 | KD-SX878R | |
| | 40 | FSKL4018-00B | IC BRACKET | 1 | | |
| | 41 | FSKL4014-002 | HEAT SINK | 1 | 0.2MM THICKER | |
| | 42 | FSKL4015-002 | REG BRACKET | 1 | | |
| | 43 | QYSDST2606Z | SCREW | 2 | | |
| | 45 | QYSDST2606Z | SCREW | 1 | KD-SX878R | |
| | 46 | QYSDSF3006Z | SCREW | 1 | FOR LINE OUT | |
| | 52 | FSXP4006-001 | SCM BUTTON | 1 | SCM | |
| | 53 | FSXP2041-003 | PUSH BUTTON(L) | 1 | DISP.TP.PTY | |
| | 54 | FSXP3062-001 | PUSH BUTTON(R) | 1 | MO/RND.RPT | |
| | 55 | FSXP2043-001 | UP DOWN BUTTON | 1 | UP/DOWN | |
| | 56 | FSXP3061-001 | SEL BUTTON | 1 | | |
| | 57 | FSYH4036-032 | SHEET | 1 | SEL BTN | |
| | 58 | FSJK3027-001 | RIM LENS | 1 | | |
| | 59 | FSJK3026-001 | CD LENS | 1 | | |
| | 60 | FSYH4036-053 | FELT SPACER | 1 | | |
| | 61 | FSYH4036-052 | FELT SPACER | 1 | | |
| | 62 | E406709-001 | CAUTION LABEL | 1 | | |
| | 63 | VMA4652-001SS | EARTH PLATE | 1 | | |
| | LCD 1 | QLD0105-001 | LCD MODULE | 1 | | |

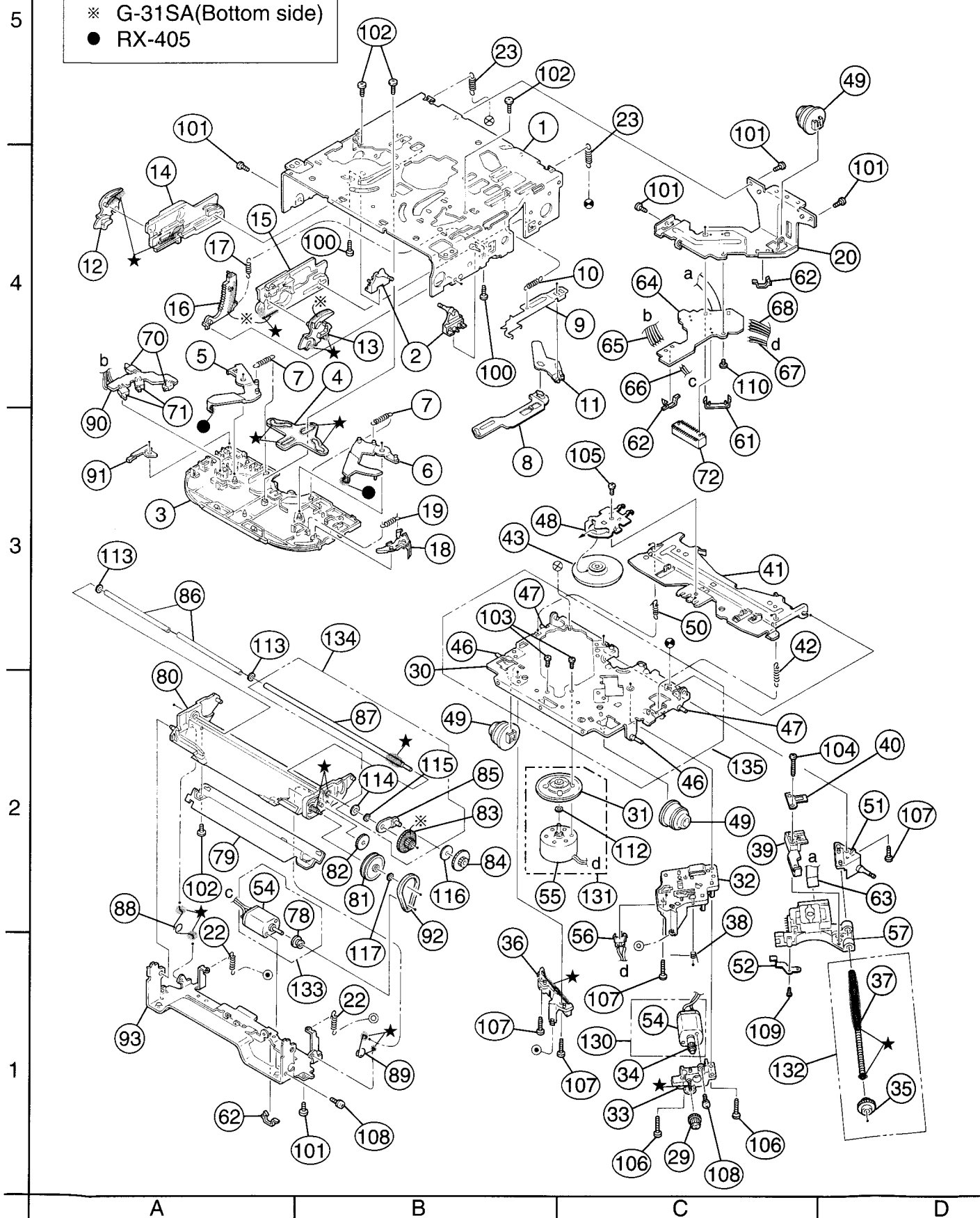
CD mechanism assembly and parts list

Grease

★ G-31SA

※ G-31SA(Bottom side)

● RX-405

Block: No. **M 2 M M**

■ Parts list (CD mechanism)

Block No. M2MM

| △ | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|------------------|------|----------------|------|
| | 1 | 30310101T | FRAME | 1 | | |
| | 2 | 30310103T | DANPER PIN | 2 | | |
| | 3 | 30310107T | UPPER PLATE | 1 | | |
| | 4 | 30310108T | SEL STOP PLATE | 1 | | |
| | 5 | 30310142T | SEL ARM (L)L | 1 | | |
| | 6 | 30310143T | SEL ARM (R)L | 1 | | |
| | 7 | 30310145T | S ARM SPRING(L) | 2 | | |
| | 8 | 30310112T | TRIG LEVER | 1 | | |
| | 9 | 30310155T | TRIG PL(Z) | 1 | | |
| | 10 | 30310115T | TRIG PL SPRING | 1 | | |
| | 11 | 30310116T | TRIG ARM | 1 | | |
| | 12 | 30310134T | FIX ARM (L)B | 1 | | |
| | 13 | 30310159T | FIX ARM (R)Z | 1 | | |
| | 14 | 30310150T | FIX PL (L)Z | 1 | | |
| | 15 | 30310156T | FIX PL (R) Z | 1 | | |
| | 16 | 30310138T | LDG GR (6)B | 1 | | |
| | 17 | 30310122T | LDG GEAR (6)SP | 1 | | |
| | 18 | 30310148T | S.L ARM(N) | 1 | | |
| | 19 | 30310125T | S.L ARM SPRING | 1 | | |
| | 20 | 30310149T | REAR DAM BKT(Z) | 1 | | |
| | 22 | 30310151T | HUNG UP SP (FZ) | 2 | | |
| | 23 | 30310129T | HUNG UP SP (R) | 2 | | |
| | 29 | 30300510T | PU GEAR(B) | 1 | | |
| | 30 | ----- | T.T.BASE(Z) | 1 | | |
| | 31 | ----- | TURN TABLE(Z) | 1 | | |
| | 32 | 30310544T | F.M.BASE(Z) | 1 | | |
| | 33 | 30310547T | FD GR BLK(Z) | 1 | | |
| | 34 | ----- | FD GR AZ | 1 | | |
| | 35 | ----- | FD GR CZ | 1 | | |
| | 36 | 30310546T | PU GUIDE(Z) | 1 | | |
| | 37 | ----- | FD SCREW(Z) | 1 | | |
| | 38 | 30310533T | THRUST SPR(M) | 1 | | |
| | 39 | 30310548T | PU M NUT(Z) | 1 | | |
| | 40 | 30310512T | NUT PUSH SPR PL | 1 | | |
| | 41 | 30310558T | CLP ARM(Z) | 1 | | |
| | 42 | 30310514T | CLP ARM SPRING | 1 | | |
| | 43 | 30310552T | CLAMPER(Z) | 1 | | |
| | 46 | ----- | LOCK PIN(FZ) | 2 | | |
| | 47 | ----- | LOCK PIN(RZ) | 2 | | |
| | 48 | 30310557T | CLAMPER PLATE(Z) | 1 | | |
| | 49 | 30310524T | DAMPER (J) | 3 | | |
| | 50 | 30310525T | CLP ARM SPR (L) | 1 | | |
| | 51 | 30310545T | F SCREW GUIDE(Z) | 1 | | |
| | 52 | 30310556T | PU G.SP PLT(Z) | 1 | | |
| | 54 | ----- | FEED MOTOR | 2 | FF030PK-09210 | |
| | 55 | ----- | SPINDLE MOTOR | 1 | RF300CA-11440D | |
| | 56 | 64180405T | DET SW | 1 | ESE11SF4 | |
| | 57 | OPTIMA-720L1 | C.D PICK (CAR) | 1 | | |

KD-SX878R

KD-S777R

■Parts list (CD mechanism)

Block No. M2MM

| △ | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|------------------|------|--------------|------|
| | 61 | 30311035T | FPC HOLDER(Z) | 1 | | |
| | 62 | 19501403T | WIRE CLAMPER | 3 | | |
| | 63 | 30311037T | PICK UP FPC(Z) | 1 | | |
| | 64 | 30311036T | CONNECT.PCB(Z-J) | 1 | | |
| | 65 | 30311038T | WIRE (5P-Z) | 1 | | |
| | 66 | 30311039T | WIRE (LD-Z) | 1 | | |
| | 67 | 30311040T | WIRE (FD-Z) | 1 | | |
| | 68 | 30311041T | WIRE (RS-Z) | 1 | | |
| | 70 | 64180402T | DET SWITCH | 2 | ESE22MH1 | |
| | 71 | 64180403T | DET SWITCH | 2 | ESE22MH3 | |
| | 72 | 68150232T | CONNECTOR | 1 | TKC-W26X-C1 | |
| | 78 | ----- | LDG PULLEY | 1 | | |
| | 79 | 30311105T | SOPPORT PLATE | 1 | | |
| | 80 | 30311138T | GR MT BLK(N) | 1 | | |
| | 81 | 30311109T | LDG GEAR (2) | 1 | | |
| | 82 | 30311110T | LDG GEAR (3) | 1 | | |
| | 83 | ----- | LDG GEAR (4) | 1 | | |
| | 84 | 30311112T | LDG GEAR (5) | 1 | | |
| | 85 | ----- | LDG GR ARM | 1 | | |
| | 86 | 30311136T | LDG ROLLER | 2 | | |
| | 87 | ----- | LDG RLR SHAFT | 1 | | |
| | 88 | 30311118T | L.P SPRING (L) | 1 | | |
| | 89 | 30311119T | L.P SPRING (R) | 1 | | |
| | 90 | 30311123T | SW PCB | 1 | | |
| | 91 | 30311124T | SW ACTUATOR | 1 | | |
| | 92 | 30311129T | LDG BELT | 1 | | |
| | 93 | 30311140T | FRONT BRKT (J) | 1 | | |
| | 100 | 9C0620503T | C B TAP SCREW | 2 | M2X5 | |
| | 101 | 9C2020401T | C SCREW TS.G | 5 | M2X4 | |
| | 102 | 9C4320403T | C B TAP SCREW | 4 | M2X4 | |
| | 103 | 9C0117223T | SCREW | 2 | M1.7X2.2 | |
| | 104 | 9C4217703T | C TAP SCREW S3 | 1 | M1.7X7 | |
| | 105 | 9C0320201T | C TAP SCREW S3 | 1 | M2X2 | |
| | 106 | 9C4920013T | C TAP SCREW S3 | 2 | M2X10 | |
| | 107 | 9C4920603T | C TAP SCREW B3 | 4 | M2X6 | |
| | 108 | 9P0220031T | TAMS SCREW | 2 | M2X3 | |
| | 109 | 9C0314203T | C TAP SCREW | 1 | M1.4X2 | |
| | 110 | 9C0420253 | C TAP SCREW | 1 | M2X2.5 | |
| | 112 | ----- | POLY WASHER | 1 | 2.1X3.5X0.3 | |
| | 113 | 9W0330276 | NW BLUE | 2 | 2.9X5X0.3 | |
| | 114 | ----- | WAVE WASHER | 1 | | |
| | 115 | ----- | LUMILAR WASHER | 1 | 2.5X6X0.1 | |
| | 116 | 9W0725030T | LUMILAR WASHER | 1 | 2.3X9.8X0.25 | |
| | 117 | 9W0640030T | WASHER | 1 | 1.4X3.2X0.4 | |
| | 130 | 303105310T | FEED MO ASSY | 1 | NO.34,54 | |
| | 131 | 303105311T | SPINDLE MO ASSY | 1 | NO.31,55,112 | |
| | 132 | 303105312T | FEED SCREW ASSY | 1 | NO.35,37 | |
| | 133 | 303111301T | LDG MOTOR ASSY | 1 | NO.54,78 | |
| | 134 | 303111302T | ROLLER SHAFT | 1 | NO.83,85,87 | |
| | | 303111302T | ROLLER SHAFT | 1 | NO.114,115 | |
| | 135 | 303105502T | T.T.BASE ASSY | 1 | NO.30,46,47 | |

Electrical parts list

KD-SX878R
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■ Main board Block No. 01

| Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|-------------|---------------|------|
| C 1 | NDC21HJ-5R0X | C CAPACITOR | | |
| C 2 | NDC21HJ-100X | C CAPACITOR | | |
| C 3 | QERF1HM-104Z | E CAPACITOR | .10MF 20% 50V | |
| C 4 | NCS21HJ-221X | C CAPACITOR | | |
| C 5 | QERF1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 6 | NCB21EK-473X | C CAPACITOR | | |
| C 7 | NCS21HJ-101X | C CAPACITOR | | |
| C 9 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | |
| C 10 | NCB21HK-102X | C CAPACITOR | | |
| C 31 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 32 | NCB21HK-102X | C CAPACITOR | | |
| C 41 | NCB21HK-333X | C CAPACITOR | | |
| C 42 | NCB21HK-822X | C CAPACITOR | | |
| C 43 | QERF1CM-107Z | E CAPACITOR | 100MF 20% 16V | |
| C 44 | NCB21HK-103X | C CAPACITOR | | |
| C 51 | QERF1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 52 | NCB21HK-472X | C CAPACITOR | | |
| C 53 | NCB21EK-104X | C CAPACITOR | | |
| C 54 | NCB21HK-103X | C CAPACITOR | | |
| C 55 | NCB21HK-331X | C CAPACITOR | | |
| C 71 | NDC21HJ-820X | C CAPACITOR | | |
| C 72 | NDC21HJ-470X | C CAPACITOR | | |
| C 73 | NCB21HK-103X | C CAPACITOR | | |
| C 74 | QERF1AM-476Z | E CAPACITOR | 47MF 20% 10V | |
| C 75 | NCS21HJ-561X | C CAPACITOR | | |
| C 76 | QEKJ1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 77 | NCB21EK-223X | C CAPACITOR | | |
| C 161 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 162 | NCB21HK-822X | C CAPACITOR | | |
| C 163 | NCB21CK-154X | C CAPACITOR | | |
| C 164 | QEKJ1HM-224Z | E CAPACITOR | .22MF 20% 50V | |
| C 165 | NCB21HK-333X | C CAPACITOR | | |
| C 166 | NCB21HK-562X | C CAPACITOR | | |
| C 167 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 168 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 169 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | |
| C 171 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | |
| C 172 | NCB21HK-183X | C CAPACITOR | | |
| C 173 | NCB21EK-104X | C CAPACITOR | | |
| C 181 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 182 | NCB21HK-822X | C CAPACITOR | | |
| C 183 | NCB21CK-154X | C CAPACITOR | | |
| C 184 | QEKJ1HM-224Z | E CAPACITOR | .22MF 20% 50V | |
| C 185 | NCB21HK-333X | C CAPACITOR | | |
| C 186 | NCB21HK-562X | C CAPACITOR | | |
| C 187 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 188 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 189 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | |
| C 191 | QER41HM-105 | E CAPACITOR | 1.0MF 20% 50V | |
| C 192 | NCB21HK-183X | C CAPACITOR | | |
| C 241 | QEKJ1HM-224Z | E CAPACITOR | .22MF 20% 50V | |
| C 242 | NCB21EK-473X | C CAPACITOR | | |
| C 243 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | |
| C 244 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 309 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | |
| C 310 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | |
| C 312 | NCB21EK-473X | C CAPACITOR | | |
| C 313 | NCB21EK-104X | C CAPACITOR | | |
| C 314 | NCB21EK-104X | C CAPACITOR | | |
| C 315 | NCB21EK-104X | C CAPACITOR | | |
| C 322 | NCS21HJ-391X | C CAPACITOR | | |
| C 332 | NCS21HJ-391X | C CAPACITOR | | |
| C 342 | NCS21HJ-391X | C CAPACITOR | | |

| Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|-------------|----------------|------|
| C 352 | NCS21HJ-391X | C CAPACITOR | | |
| C 501 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | |
| C 502 | NCB21HK-103X | C CAPACITOR | | |
| C 503 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | |
| C 521 | NCB21HK-103X | C CAPACITOR | | |
| C 522 | NCB21HK-103X | C CAPACITOR | | |
| C 523 | NCB21EK-103X | C CAPACITOR | | |
| C 524 | QER41AM-107 | E CAPACITOR | 100MF 20% 10V | |
| C 525 | NCB21HK-103X | C CAPACITOR | | |
| C 526 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 527 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 528 | NCS21HJ-101X | C CAPACITOR | | |
| C 529 | NCB21HK-103X | C CAPACITOR | | |
| C 530 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 531 | NCB21EK-104X | C CAPACITOR | | |
| C 532 | NCB21EK-104X | C CAPACITOR | | |
| C 533 | NCS21HJ-560X | C CAPACITOR | | |
| C 541 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 542 | NCB21HK-103X | C CAPACITOR | | |
| C 543 | QEKJ1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 544 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 545 | NCB21HK-103X | C CAPACITOR | | |
| C 546 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 547 | NDC21HJ-470X | C CAPACITOR | | |
| C 548 | NCB21HK-153X | C CAPACITOR | | |
| C 549 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 550 | NCB21HK-103X | C CAPACITOR | | |
| C 551 | NCB21HK-272X | C CAPACITOR | | |
| C 552 | NCB21HK-103X | C CAPACITOR | | |
| C 553 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 554 | NCB21HK-103X | C CAPACITOR | | |
| C 555 | NCB21EK-333X | C CAPACITOR | | |
| C 556 | NCB21HK-332X | C CAPACITOR | | |
| C 557 | NCS21HJ-561X | C CAPACITOR | | |
| C 558 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 559 | NCB21HK-473X | C CAPACITOR | | |
| C 560 | NCB21HK-473X | C CAPACITOR | | |
| C 561 | NCB21HK-473X | C CAPACITOR | | |
| C 562 | NCB21HK-473X | C CAPACITOR | | |
| C 563 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 564 | NCB21HK-103X | C CAPACITOR | | |
| C 565 | NCB21HK-103X | C CAPACITOR | | |
| C 566 | NDC21HJ-100X | C CAPACITOR | | |
| C 567 | NDC21HJ-100X | C CAPACITOR | | |
| C 568 | NCB21HK-103X | C CAPACITOR | | |
| C 569 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 570 | NCS21HJ-101X | C CAPACITOR | | |
| C 571 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 572 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| C 573 | NCB21HK-103X | C CAPACITOR | | |
| C 581 | NCS21HJ-821X | C CAPACITOR | | |
| C 582 | QEK41EM-475 | E CAPACITOR | 4.7MF 20% 25V | |
| C 583 | QEKJ0JM-476Z | E CAPACITOR | 47MF 20% 6.3V | |
| C 584 | NCS21HJ-121X | C CAPACITOR | | |
| C 591 | NCS21HJ-821X | C CAPACITOR | | |
| C 592 | QEK41EM-475 | E CAPACITOR | 4.7MF 20% 25V | |
| C 593 | QEKJ0JM-476Z | E CAPACITOR | 47MF 20% 6.3V | |
| C 594 | NCS21HJ-121X | C CAPACITOR | | |
| C 595 | QEKJ1AM-107Z | E CAPACITOR | 100MF 20% 10V | |
| C 701 | NDC21HJ-270X | C CAPACITOR | | |
| C 702 | NDC21HJ-270X | C CAPACITOR | | |
| C 703 | NCB21EK-104X | C CAPACITOR | | |
| C 704 | NCB21EK-104X | C CAPACITOR | | |

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■ Main board

Block No. 01

| △ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|---------------|---------------|----------------|------|
| | C 706 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| | C 707 | NCB21HK-103X | C CAPACITOR | | |
| | C 708 | QERF0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| | C 709 | NCB21HK-103X | C CAPACITOR | | |
| | C 712 | NCS21HJ-680X | C CAPACITOR | | |
| | C 713 | NCB21HK-103X | C CAPACITOR | | |
| | C 718 | NCB21HK-103X | C CAPACITOR | | |
| | C 719 | NCB21EK-104X | C CAPACITOR | | |
| | C 720 | NCB21EK-104X | C CAPACITOR | | |
| | C 721 | NCB21EK-104X | C CAPACITOR | | |
| | C 781 | QEKJ0JM-107Z | E CAPACITOR | 100MF 20% 6.3V | |
| | C 782 | QERF1CM-226Z | E CAPACITOR | 22MF 20% 16V | |
| | C 783 | NCB21EK-823X | C CAPACITOR | | |
| | C 801 | NCB21HK-103X | C CAPACITOR | KD-SX878R | |
| | C 802 | NCB21EK-473X | C CAPACITOR | KD-SX878R | |
| | C 891 | NCB21EK-473X | C CAPACITOR | | |
| | C 901 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | |
| | C 902 | NCB21HK-103X | C CAPACITOR | | |
| | C 903 | QEKJ1CM-226Z | E CAPACITOR | 22MF 20% 16V | |
| | C 904 | QER41AM-227 | E CAPACITOR | 220MF 20% 10V | |
| | C 905 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | |
| | C 906 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | |
| | C 907 | QERF1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| | C 908 | QE20338-228 | E CAPACITOR | 2200MF | |
| | C 909 | NCB21EK-104X | C CAPACITOR | | |
| | C 911 | QERF1AM-476Z | E CAPACITOR | 47MF 20% 10V | |
| | C 912 | QER41AM-107 | E CAPACITOR | 100MF 20% 10V | |
| | C 913 | QEKJ1CM-107Z | E CAPACITOR | 100MF 20% 16V | |
| | C 914 | QERF1EM-475Z | E CAPACITOR | 4.7MF 20% 25V | |
| | C 915 | QER41CM-106 | E CAPACITOR | 10MF 20% 16V | |
| | CN501 | QGB2027M1-26S | CONNECTOR | | |
| | CP601 | VMC0334-001 | CONNECTOR | F.PANEL CONN. | |
| | CP961 | QNZ0112-001 | CAR CONNECTOR | | |
| | D 1 | 1SS133-T1 | SI DIODE I/M | | |
| | D 2 | 1SS133-T1 | SI DIODE I/M | | |
| | D 3 | MA152WK-X | SI DIODE | | |
| | D 161 | MA152WK-X | SI DIODE | | |
| | D 241 | 1SS133-T1 | SI DIODE I/M | | |
| | D 242 | 1SS133-T1 | SI DIODE I/M | | |
| | D 341 | MA152WA-X | DIODE | | |
| | D 501 | DSK10C-T1 | DIODE | | |
| | D 502 | DSK10C-T1 | DIODE | | |
| | D 701 | MA3056/M-X | ZENER DIODE | | |
| | D 702 | MA3056/M-X | ZENER DIODE | | |
| | D 703 | MA3056/M-X | ZENER DIODE | | |
| | D 704 | MA3056/M-X | ZENER DIODE | | |
| | D 705 | MA3056/M-X | ZENER DIODE | | |
| | D 706 | MA3056/M-X | ZENER DIODE | | |
| | D 781 | MA152WK-X | SI DIODE | | |
| | D 782 | 1SS133-T1 | SI DIODE I/M | | |
| | D 784 | MA3110/M-X | ZENER DIODE | | |
| | D 891 | MA152WA-X | DIODE | | |
| | D 909 | MA152WA-X | DIODE | | |
| | D 910 | CRS03-W | SB DIODE | | |
| | D 911 | 1N5401-TU-15 | DIODE | | |
| | D 912 | CRS03-W | SB DIODE | | |
| | D 953 | MA152WK-X | SI DIODE | | |
| | IC 71 | SAA6579T-X | IC | | |
| | IC161 | TEA6320T-X | IC | | |
| | IC301 | HA13158A | IC | | |
| | IC501 | LA6557-X | IC | | |
| | IC521 | TA2109F-X | IC | | |
| | IC541 | TC9462F | IC | | |

| △ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|-----------------|-----------------|-----------|------|
| | IC581 | NJM4565M-WE | IC | | |
| | IC701 | UPD178078GF-524 | IC | KD-SX878R | |
| | IC701 | UPD178078GF-522 | IC(MICRO-COMP) | KD-S777R | |
| | IC801 | HD74HC126FP-X | IC | KD-SX878R | |
| | IC961 | BA4905-V3 | IC | | |
| | J 1 | QNZ0009-001 | CAR ANT JACK | | |
| | J 301 | QNN0170-001 | PIN JACK (REEL) | | |
| | J 801 | QNZ0095-001 | CONNECTOR | KD-SX878R | |
| | L 1 | QQL244J-4R7Z | INDUCTOR | | |
| | L 541 | QQL244J-4R7Z | INDUCTOR | | |
| | L 542 | QQL244J-4R7Z | INDUCTOR | | |
| | L 701 | QQL244J-4R7Z | INDUCTOR | | |
| | L 961 | QQR0703-001 | CHOKE COIL | | |
| | Q 1 | UN2211-X | TRANSISTOR | | |
| | Q 2 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 3 | UN2111-X | TRANSISTOR | | |
| | Q 4 | 2SB709A/R/-X | TRANSISTOR | | |
| | Q 5 | 2SB815/7/-X | TRANSISTOR | | |
| | Q 7 | UN2211-X | TRANSISTOR | | |
| | Q 31 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 32 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 41 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 42 | 2SC3661-X | TRANSISTOR | | |
| | Q 43 | UN2211-X | TRANSISTOR | | |
| | Q 51 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 52 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 53 | UN2211-X | TRANSISTOR | | |
| | Q 161 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 162 | UN2111-X | TRANSISTOR | | |
| | Q 174 | UN2111-X | TRANSISTOR | | |
| | Q 181 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 241 | 2SD601A/R/-X | TRANSISTOR | | |
| | Q 341 | 2SD1048/6-7/-X | TRANSISTOR | | |
| | Q 351 | 2SD1048/6-7/-X | TRANSISTOR | | |
| | Q 501 | 2SB1322/RS/-T | TRANSISTOR | | |
| | Q 521 | 2SB1322/RS/-T | TRANSISTOR | | |
| | Q 781 | UN2111-X | TRANSISTOR | | |
| | Q 782 | UN2211-X | TRANSISTOR | | |
| | Q 783 | UN2111-X | TRANSISTOR | | |
| | Q 891 | UN2211-X | TRANSISTOR | | |
| | Q 901 | 2SB709A/R/-X | TRANSISTOR | | |
| | Q 902 | UN2213-X | TRANSISTOR | | |
| | Q 976 | UN2211-X | TRANSISTOR | | |
| | Q 977 | 2SB709A/R/-X | TRANSISTOR | | |
| | R 1 | NRSA02J-0R0X | MG RESISTOR | | |
| | R 2 | NRSA02J-102X | MG RESISTOR | | |
| | R 3 | NRSA02J-102X | MG RESISTOR | | |
| | R 4 | NRSA02J-223X | MG RESISTOR | | |
| | R 5 | NRSA02J-472X | MG RESISTOR | | |
| | R 6 | NRSA02J-473X | MG RESISTOR | | |
| | R 7 | NRSA02J-472X | MG RESISTOR | | |
| | R 8 | NRSA02J-473X | MG RESISTOR | | |
| | R 9 | NRSA02J-332X | MG RESISTOR | | |
| | R 10 | NRS181J-8R2X | MG RESISTOR | | |
| | R 31 | NRSA02J-102X | MG RESISTOR | | |
| | R 32 | NRSA02J-103X | MG RESISTOR | | |
| | R 33 | NRSA02J-152X | MG RESISTOR | | |
| | R 41 | NRSA02J-332X | MG RESISTOR | | |
| | R 42 | NRSA02J-102X | MG RESISTOR | | |
| | R 43 | NRSA02J-102X | MG RESISTOR | | |
| | R 44 | NRS181J-330X | MG RESISTOR | | |
| | R 51 | NRSA02J-471X | MG RESISTOR | | |
| | R 52 | NRSA02J-153X | MG RESISTOR | | |
| | R 53 | NRSA02J-103X | MG RESISTOR | | |

■ Main board

Block No. 01

| ⚠ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|--------------|-------------|---------|------|
| | R 54 | NRSA02J-103X | MG RESISTOR | | |
| | R 55 | NRSA02J-222X | MG RESISTOR | | |
| | R 56 | NRSA02J-473X | MG RESISTOR | | |
| | R 57 | NRSA02J-473X | MG RESISTOR | | |
| | R 58 | NRSA02J-473X | MG RESISTOR | | |
| | R 71 | NRSA02J-222X | MG RESISTOR | | |
| | R 72 | NRSA02J-222X | MG RESISTOR | | |
| | R 73 | NRSA02J-222X | MG RESISTOR | | |
| | R 161 | NRSA02J-224X | MG RESISTOR | | |
| | R 162 | NRSA02J-223X | MG RESISTOR | | |
| | R 163 | NRSA02J-222X | MG RESISTOR | | |
| | R 164 | NRSA02J-332X | MG RESISTOR | | |
| | R 165 | NRSA02J-473X | MG RESISTOR | | |
| | R 166 | NRSA02J-473X | MG RESISTOR | | |
| | R 167 | NRSA02J-103X | MG RESISTOR | | |
| | R 168 | NRSA02J-223X | MG RESISTOR | | |
| | R 169 | NRSA02J-472X | MG RESISTOR | | |
| | R 170 | NRSA02J-472X | MG RESISTOR | | |
| | R 181 | NRSA02J-224X | MG RESISTOR | | |
| | R 182 | NRSA02J-223X | MG RESISTOR | | |
| | R 183 | NRSA02J-222X | MG RESISTOR | | |
| | R 184 | NRSA02J-332X | MG RESISTOR | | |
| | R 185 | NRSA02J-473X | MG RESISTOR | | |
| | R 186 | NRSA02J-473X | MG RESISTOR | | |
| | R 187 | NRSA02J-103X | MG RESISTOR | | |
| | R 188 | NRSA02J-223X | MG RESISTOR | | |
| | R 241 | NRSA02J-823X | MG RESISTOR | | |
| | R 242 | NRSA02J-102X | MG RESISTOR | | |
| | R 243 | NRSA02J-101X | MG RESISTOR | | |
| | R 244 | NRSA02J-123X | MG RESISTOR | | |
| | R 245 | NRSA02J-184X | MG RESISTOR | | |
| | R 246 | NRSA02J-223X | MG RESISTOR | | |
| | R 247 | NRSA02J-473X | MG RESISTOR | | |
| | R 310 | NRSA02J-472X | MG RESISTOR | | |
| | R 321 | NRSA02J-273X | MG RESISTOR | | |
| | R 331 | NRSA02J-273X | MG RESISTOR | | |
| | R 341 | NRSA02J-273X | MG RESISTOR | | |
| | R 342 | NRSA02J-102X | MG RESISTOR | | |
| | R 343 | NRSA02J-222X | MG RESISTOR | | |
| | R 344 | NRSA02J-101X | MG RESISTOR | | |
| | R 351 | NRSA02J-273X | MG RESISTOR | | |
| | R 352 | NRSA02J-102X | MG RESISTOR | | |
| | R 353 | NRSA02J-222X | MG RESISTOR | | |
| | R 354 | NRSA02J-101X | MG RESISTOR | | |
| | R 501 | NRSA02J-562X | MG RESISTOR | | |
| | R 502 | NRSA02J-562X | MG RESISTOR | | |
| | R 503 | NRSA02J-242X | MG RESISTOR | | |
| | R 504 | NRSA02J-203X | MG RESISTOR | | |
| | R 507 | NRS181J-0R0X | MG RESISTOR | | |
| | R 521 | NRSA02J-473X | MG RESISTOR | | |
| | R 522 | NRSA02J-473X | MG RESISTOR | | |
| | R 523 | NRSA02J-473X | MG RESISTOR | | |
| | R 524 | NRSA02J-473X | MG RESISTOR | | |
| | R 525 | NRSA02J-104X | MG RESISTOR | | |
| | R 526 | NRSA02J-104X | MG RESISTOR | | |
| | R 527 | NRSA02J-220X | MG RESISTOR | | |
| | R 528 | NRSA02J-220X | MG RESISTOR | | |
| | R 529 | NRSA02J-273X | MG RESISTOR | | |
| | R 530 | NRSA02J-333X | MG RESISTOR | | |
| | R 531 | NRSA02J-222X | MG RESISTOR | | |
| | R 532 | NRSA02J-153X | MG RESISTOR | | |
| | R 533 | NRSA02J-682X | MG RESISTOR | | |
| | R 534 | NRSA02J-473X | MG RESISTOR | | |

| ⚠ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|--------------|-------------|---------|------|
| | R 541 | NRSA02J-472X | MG RESISTOR | | |
| | R 542 | NRSA02J-472X | MG RESISTOR | | |
| | R 543 | NRSA02J-472X | MG RESISTOR | | |
| | R 544 | NRSA02J-472X | MG RESISTOR | | |
| | R 545 | NRSA02J-103X | MG RESISTOR | | |
| | R 546 | NRSA02J-103X | MG RESISTOR | | |
| | R 547 | NRSA02J-473X | MG RESISTOR | | |
| | R 548 | NRSA02J-683X | MG RESISTOR | | |
| | R 549 | NRSA02J-474X | MG RESISTOR | | |
| | R 550 | NRSA02J-333X | MG RESISTOR | | |
| | R 551 | NRSA02J-103X | MG RESISTOR | | |
| | R 552 | NRSA02J-122X | MG RESISTOR | | |
| | R 553 | NRSA02J-153X | MG RESISTOR | | |
| | R 554 | NRSA02J-332X | MG RESISTOR | | |
| | R 555 | NRSA02J-332X | MG RESISTOR | | |
| | R 556 | NRSA02J-682X | MG RESISTOR | | |
| | R 557 | NRSA02J-152X | MG RESISTOR | | |
| | R 558 | NRSA02J-101X | MG RESISTOR | | |
| | R 581 | NRSA02J-243X | MG RESISTOR | | |
| | R 582 | NRSA02J-223X | MG RESISTOR | | |
| | R 583 | NRSA02J-223X | MG RESISTOR | | |
| | R 584 | NRSA02J-333X | MG RESISTOR | | |
| | R 585 | NRSA02J-123X | MG RESISTOR | | |
| | R 586 | NRSA02J-152X | MG RESISTOR | | |
| | R 591 | NRSA02J-243X | MG RESISTOR | | |
| | R 592 | NRSA02J-223X | MG RESISTOR | | |
| | R 593 | NRSA02J-223X | MG RESISTOR | | |
| | R 594 | NRSA02J-333X | MG RESISTOR | | |
| | R 595 | NRSA02J-123X | MG RESISTOR | | |
| | R 596 | NRSA02J-152X | MG RESISTOR | | |
| | R 685 | NRSA02J-103X | MG RESISTOR | | |
| | R 686 | NRSA02J-103X | MG RESISTOR | | |
| | R 701 | NRSA02J-102X | MG RESISTOR | | |
| | R 702 | NRSA02J-122X | MG RESISTOR | | |
| | R 703 | NRSA02J-222X | MG RESISTOR | | |
| | R 704 | NRSA02J-222X | MG RESISTOR | | |
| | R 705 | NRSA02J-222X | MG RESISTOR | | |
| | R 706 | NRSA02J-103X | MG RESISTOR | | |
| | R 707 | NRSA02J-473X | MG RESISTOR | | |
| | R 708 | NRSA02J-473X | MG RESISTOR | | |
| | R 709 | NRSA02J-472X | MG RESISTOR | | |
| | R 710 | NRSA02J-472X | MG RESISTOR | | |
| | R 711 | NRSA02J-472X | MG RESISTOR | | |
| | R 712 | NRSA02J-472X | MG RESISTOR | | |
| | R 713 | NRSA02J-103X | MG RESISTOR | | |
| | R 714 | NRSA02J-103X | MG RESISTOR | | |
| | R 715 | NRSA02J-103X | MG RESISTOR | | |
| | R 716 | NRSA02J-103X | MG RESISTOR | | |
| | R 717 | NRSA02J-103X | MG RESISTOR | | |
| | R 718 | NRSA02J-103X | MG RESISTOR | | |
| | R 719 | NRSA02J-472X | MG RESISTOR | | |
| | R 720 | NRSA02J-472X | MG RESISTOR | | |
| | R 721 | NRSA02J-472X | MG RESISTOR | | |
| | R 722 | NRSA02J-391X | MG RESISTOR | | |
| | R 723 | NRSA02J-104X | MG RESISTOR | | |
| | R 724 | NRSA02J-472X | MG RESISTOR | REMOCON | |
| | R 725 | NRSA02J-104X | MG RESISTOR | | |
| | R 726 | NRSA02J-473X | MG RESISTOR | | |
| | R 727 | NRSA02J-473X | MG RESISTOR | | |
| | R 728 | NRSA02J-473X | MG RESISTOR | | |
| | R 729 | NRSA02J-473X | MG RESISTOR | | |
| | R 730 | NRSA02J-104X | MG RESISTOR | | |
| | R 731 | NRSA02J-104X | MG RESISTOR | | |

KD-S777R

■ Main board

Block No. 01

| Item | Parts number | Parts name | Remarks | Area |
|-------|--------------|-------------|-----------|------|
| R 732 | NRSA02J-473X | MG RESISTOR | | |
| R 733 | NRSA02J-473X | MG RESISTOR | | |
| R 734 | NRSA02J-103X | MG RESISTOR | | |
| R 736 | NRSA02J-103X | MG RESISTOR | | |
| R 737 | NRSA02J-473X | MG RESISTOR | | |
| R 738 | NRSA02J-103X | MG RESISTOR | | |
| R 739 | NRSA02J-473X | MG RESISTOR | | |
| R 740 | NRSA02J-103X | MG RESISTOR | | |
| R 742 | NRSA02J-473X | MG RESISTOR | KD-S777R | |
| R 743 | NRSA02J-473X | MG RESISTOR | KD-SX878R | |
| R 744 | NRSA02J-222X | MG RESISTOR | | |
| R 745 | NRSA02J-222X | MG RESISTOR | | |
| R 747 | NRSA02J-473X | MG RESISTOR | | |
| R 781 | NRS181J-273X | MG RESISTOR | | |
| R 782 | NRS181J-102X | MG RESISTOR | | |
| R 801 | NRSA02J-104X | MG RESISTOR | | |
| R 802 | NRSA02J-104X | MG RESISTOR | | |
| R 803 | NRSA02J-104X | MG RESISTOR | | |
| R 804 | NRSA02J-103X | MG RESISTOR | KD-SX878R | |
| R 805 | NRSA02J-101X | MG RESISTOR | KD-SX878R | |
| R 806 | NRSA02J-223X | MG RESISTOR | KD-SX878R | |
| R 807 | NRSA02J-104X | MG RESISTOR | | |
| R 808 | NRSA02J-104X | MG RESISTOR | KD-SX878R | |
| R 809 | NRSA02J-104X | MG RESISTOR | | |
| R 810 | NRSA02J-101X | MG RESISTOR | KD-SX878R | |
| R 891 | NRSA02J-473X | MG RESISTOR | | |
| R 892 | NRSA02J-102X | MG RESISTOR | | |
| R 901 | NRSA02J-222X | MG RESISTOR | | |
| R 902 | NRSA02J-473X | MG RESISTOR | | |
| R 903 | NRSA02J-0R0X | MG RESISTOR | | |
| R 905 | NRSA02J-472X | MG RESISTOR | | |
| R 906 | NRSA02J-103X | MG RESISTOR | | |
| R 907 | QRZ0125-470X | C RESISTOR | 47 1/4W | |
| R 911 | NRSA02J-100X | MG RESISTOR | | |
| R 976 | NRSA02J-473X | MG RESISTOR | | |
| R 977 | NRSA02J-273X | MG RESISTOR | | |
| R 978 | NRSA02J-123X | MG RESISTOR | | |
| TU 1 | QAU0156-001 | TUNER | | |
| X 71 | QAX0263-001Z | CRYSTAL | | |
| X 541 | QAX0413-001Z | CRYSTAL | | |
| X 701 | QAX0406-001Z | CRYSTAL | | |

■ Front board

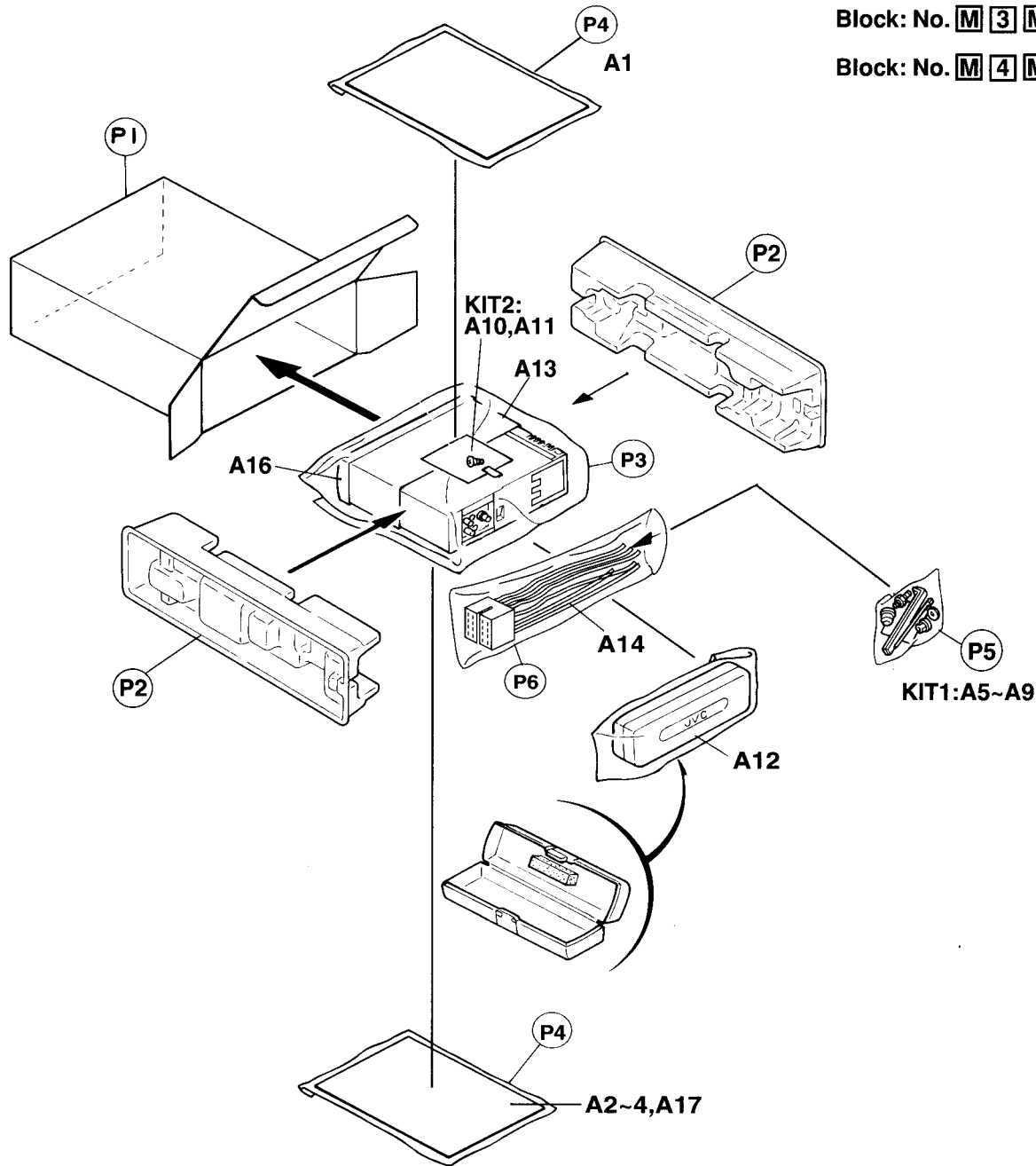
Block No. 02

| △ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|-----------------|----------------|-----------------|------|
| | C 672 | NBE20JM-475X | TS E CAPACITOR | | |
| | C 681 | NCB21HK-223X | C CAPACITOR | | |
| | C 682 | NCB21HK-223X | C CAPACITOR | | |
| | C 691 | NCB21HK-223X | C CAPACITOR | | |
| | C 697 | NBE41DM-225X | TS E CAPACITOR | | |
| | C 698 | NCS21HJ-681X | C CAPACITOR | | |
| | CP691 | VMC0335-001 | CONNECTOR | | |
| | D 631 | SML-310LT/MN/-X | LED | POWER LED | |
| | D 632 | LNJ308G81/1-3/X | LED | R.ENC LED1 | |
| | D 633 | LNJ308G81/1-3/X | LED | R.ENC LED2 | |
| | D 634 | LNJ308G81/1-3/X | LED | R.ENC LED3 | |
| | D 635 | LNJ308G81/1-3/X | LED | R.ENC LED4 | |
| | D 636 | LNJ308G81/1-3/X | LED | R.ENC LED5 | |
| | D 637 | LNJ308G81/1-3/X | LED | SEL LED1 | |
| | D 638 | LNJ308G81/1-3/X | LED | SEL LED2 | |
| | D 639 | LNJ308G81/1-3/X | LED | SEL LED3 | |
| | D 640 | LNJ308G81/1-3/X | LED | EJECT LED | |
| | D 641 | LNJ308G81/1-3/X | LED | F.SKIP/UP LED | |
| | D 642 | LNJ308G81/1-3/X | LED | B.SKIP/DOWN LED | |
| | D 643 | LNJ308G81/1-3/X | LED | MO/RND LED | |
| | D 644 | LNJ308G81/1-3/X | LED | RPT LED | |
| | D 645 | LNJ308G81/1-3/X | LED | CD LED | |
| | D 646 | LNJ308G81/1-3/X | LED | FM/AM LED | |
| | D 647 | LNJ308G81/1-3/X | LED | EXT/CD-CH LED | |
| | D 648 | LNJ308G81/1-3/X | LED | 1 LED | |
| | D 649 | LNJ308G81/1-3/X | LED | 2 LED | |
| | D 650 | LNJ308G81/1-3/X | LED | 3 LED | |
| | D 651 | LNJ308G81/1-3/X | LED | 4 LED | |
| | D 652 | LNJ308G81/1-3/X | LED | 5 LED | |
| | D 653 | LNJ308G81/1-3/X | LED | 6 LED | |
| | D 654 | LNJ308G81/1-3/X | LED | SOUND | |
| | D 655 | LNJ308G81/1-3/X | LED | DISPLAY | |
| | D 656 | LNJ308G81/1-3/X | LED | SCAN | |
| | D 657 | LNJ308G81/1-3/X | LED | BBE LED | |
| | D 659 | NSPW310BS/BR/S | LED | LCD ILLUM.LED1 | |
| | D 660 | NSPW310BS/BR/S | LED | LCD ILLUM.LED2 | |
| | D 670 | MA3051/M/-X | ZENER DIODE | | |
| | D 671 | MA3056/M/-X | ZENER DIODE | | |
| | D 691 | MA3051/M/-X | ZENER DIODE | | |
| | D 692 | MA152WK-X | SI DIODE | | |
| | IC680 | RPM6938-SV4 | IC | | |
| | IC691 | LC75823W | IC | | |
| | JS690 | QSW0863-001 | JOG SHUTTLE SW | | |
| | R 602 | NRSA02J-821X | MG RESISTOR | | |
| | R 603 | NRSA02J-821X | MG RESISTOR | | |
| | R 604 | NRSA02J-122X | MG RESISTOR | | |
| | R 605 | NRSA02J-182X | MG RESISTOR | | |
| | R 606 | NRSA02J-272X | MG RESISTOR | | |
| | R 608 | NRSA02J-821X | MG RESISTOR | | |
| | R 609 | NRSA02J-821X | MG RESISTOR | | |
| | R 610 | NRSA02J-122X | MG RESISTOR | | |
| | R 611 | NRSA02J-182X | MG RESISTOR | | |
| | R 612 | NRSA02J-272X | MG RESISTOR | | |
| | R 613 | NRSA02J-392X | MG RESISTOR | | |
| | R 614 | NRSA02J-103X | MG RESISTOR | | |
| | R 616 | NRSA02J-821X | MG RESISTOR | | |
| | R 617 | NRSA02J-821X | MG RESISTOR | | |
| | R 618 | NRSA02J-122X | MG RESISTOR | | |
| | R 619 | NRSA02J-182X | MG RESISTOR | | |
| | R 620 | NRSA02J-272X | MG RESISTOR | | |
| | R 631 | NRSA02J-271X | MG RESISTOR | | |
| | R 632 | NRSA02J-271X | MG RESISTOR | | |
| | R 633 | NRSA02J-271X | MG RESISTOR | | |


| △ | Item | Parts number | Parts name | Remarks | Area |
|---|-------|--------------|-------------|--------------|------|
| | R 634 | NRSA02J-271X | MG RESISTOR | | |
| | R 635 | NRSA02J-271X | MG RESISTOR | | |
| | R 636 | NRSA02J-271X | MG RESISTOR | | |
| | R 637 | NRSA02J-271X | MG RESISTOR | | |
| | R 638 | NRSA02J-271X | MG RESISTOR | | |
| | R 639 | NRSA02J-511X | MG RESISTOR | | |
| | R 640 | NRSA02J-511X | MG RESISTOR | | |
| | R 641 | NRSA02J-511X | MG RESISTOR | | |
| | R 642 | NRSA02J-511X | MG RESISTOR | | |
| | R 643 | NRSA02J-511X | MG RESISTOR | | |
| | R 644 | NRSA02J-511X | MG RESISTOR | | |
| | R 645 | NRSA02J-681X | MG RESISTOR | | |
| | R 646 | NRSA02J-681X | MG RESISTOR | | |
| | R 647 | NRSA02J-681X | MG RESISTOR | | |
| | R 648 | NRSA02J-681X | MG RESISTOR | | |
| | R 649 | NRSA02J-681X | MG RESISTOR | | |
| | R 650 | NRSA02J-681X | MG RESISTOR | | |
| | R 651 | NRSA02J-561X | MG RESISTOR | | |
| | R 652 | NRSA02J-152X | MG RESISTOR | | |
| | R 671 | NRSA02J-103X | MG RESISTOR | | |
| | R 672 | NRSA02J-471X | MG RESISTOR | | |
| | R 681 | NRSA02J-101X | MG RESISTOR | | |
| | R 690 | NRSA02J-221X | MG RESISTOR | | |
| | R 691 | NRSA02J-222X | MG RESISTOR | | |
| | R 692 | NRSA02J-222X | MG RESISTOR | | |
| | R 693 | NRSA02J-103X | MG RESISTOR | | |
| | R 694 | NRSA02J-103X | MG RESISTOR | | |
| | R 695 | NRSA02J-103X | MG RESISTOR | | |
| | R 696 | NRSA02J-103X | MG RESISTOR | | |
| | R 697 | NRSA02J-684X | MG RESISTOR | | |
| | R 698 | NRSA02J-154X | MG RESISTOR | | |
| | S 601 | NSW0124-001X | TACT SWITCH | POWER | |
| | S 602 | NSW0124-001X | TACT SWITCH | SOUND | |
| | S 603 | NSW0124-001X | TACT SWITCH | DISPLAY | |
| | S 604 | NSW0124-001X | TACT SWITCH | SCAN | |
| | S 605 | NSW0124-001X | TACT SWITCH | BBE | |
| | S 606 | NSW0124-001X | TACT SWITCH | 1 /VCR FUNC. | |
| | S 607 | NSW0124-001X | TACT SWITCH | SELECT | |
| | S 608 | NSW0124-001X | TACT SWITCH | 2 | |
| | S 609 | NSW0124-001X | TACT SWITCH | 3 /VCR PLAY | |
| | S 610 | NSW0124-001X | TACT SWITCH | 4 /VCR STOP | |
| | S 611 | NSW0124-001X | TACT SWITCH | 5 /VCR REW | |
| | S 612 | NSW0124-001X | TACT SWITCH | 6 /VCR FWD | |
| | S 613 | NSW0124-001X | TACT SWITCH | F.SKIP/UP | |
| | S 614 | NSW0124-001X | TACT SWITCH | EJECT | |
| | S 615 | NSW0124-001X | TACT SWITCH | EXT./CD-CH | |
| | S 616 | NSW0124-001X | TACT SWITCH | FM/AM | |
| | S 617 | NSW0124-001X | TACT SWITCH | CD | |
| | S 618 | NSW0124-001X | TACT SWITCH | RPT | |
| | S 619 | NSW0124-001X | TACT SWITCH | MO/RND | |
| | S 620 | NSW0124-001X | TACT SWITCH | B.SKIP/DOWN | |

Packing materials and accessories parts list


Block: No. **M 3 M M**
Block: No. **M 4 M M**




SCREW KIT 1




A9 Hook




A6 Mount Bolt



A5 Plug Nut

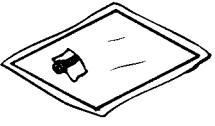


A7 Lock Nut

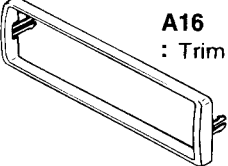


A8 Washer

SCREW KIT 2



A10 Screw
A11 Sheet



A16
: Trim Plate

■ Packing parts list

Block No. M3MM

| ⚠ | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|------|--------------|------------|------|-----------------|------|
| | P 1 | FSPE3001-169 | CARTON | 1 | KD-SX878R | |
| | | FSPE3001-168 | CARTON | 1 | KD-S777R | |
| | P 2 | FSPH1018-002 | CARTON | 2 | | |
| | P 3 | VPE3005-064 | POLY BAG | 1 | SET 260X440X0.0 | |
| | P 4 | QPA01703505P | POLY BAG | 2 | INST.BOOK | |
| | P 5 | QPA00801205 | POLY BAG | 1 | | |
| | P 6 | QPA01003003 | POLY BAG | 1 | FOR ISO CORD | |

■ Accessories parts list

Block No. M4MM

| ⚠ | Item | Parts number | Parts name | Q'ty | Description | Area |
|---|-------|-----------------|-----------------|------|-----------------|------|
| | A 1 | FSUN3117-311 | INSTRUCTIONS | 1 | ENG.GER.FRE.DUT | |
| | A 2 | FSUN3117-321 | INSTRUCTIONS | 1 | SPA.ITA.SWE.FIN | |
| | A 3 | FSUN3117-T481 | INSTALL MANUAL | 1 | SWE.FIN | |
| | | FSUN3117-T211 | INSTALL MANUAL | 1 | ENG.GER.FRE | |
| | | FSUN3117-T451 | INSTALL MANUAL | 1 | DUT.SPA.ITA | |
| | A 4 | VND3050-002 | IDENTITY CARD | 1 | | |
| | A 5 | VKZ4027-202 | PLUG NUT | 1 | | |
| | A 6 | VKH4871-001SS | MOUNT BOLT | 1 | | |
| | A 7 | VKZ4328-001 | LOCK NUT | 1 | FOR M5 | |
| | A 8 | WNS5000Z | WASHER | 1 | | |
| | A 9 | FSKL4010-002 | HOOK | 2 | | |
| | A 10 | VKZ4777-001 | MINI SCREW | 1 | | |
| | A 11 | FSYA4001-001 | SHEET | 1 | | |
| | A 12 | FSJB3001-00A | HARD CASE | 1 | | |
| | A 13 | FSKM2004-002SSF | MOUNTING SLEEVE | 1 | | |
| | A 14 | QAM0158-001 | 16P CORD ASSY | 1 | WITH TEL MUTE | |
| | A 16 | FSJD2034-001 | TRIM PLATE | 1 | | |
| | A 17 | BT-54013-1 | WARRANTY CARD | 1 | | |
| | KIT 1 | KDGS717K-SCREW1 | SCREW PARTS KIT | 1 | A5-A9 | |
| | KIT 2 | KDGS727J-SCREW2 | SCREW PARTS KIT | 1 | A10-A11 | |